

**NORMAL TEMPERATURES BY DECADES FOR 8 A. M.  
AND 8 P. M., 75TH MERIDIAN TIME.**

By ALFRED J. HENRY, Professor of Meteorology.

The normal temperatures which appear in the following table were computed primarily for the use of the Forecast Division of the Central Office and the several district forecast centers. It is believed, however, that officials in charge of Weather Bureau stations and students of meteorological and climatological problems will also find the data helpful.

The normals are based upon the twice-daily telegraphic observations, which have now extended over a period of fourteen years, viz, from 1888 to 1901. The average temperatures for 8 a. m. and 8 p. m., seventy-fifth meridian time, were first computed for each month and plotted on coordinate paper. It was assumed that the mean of the month represented without sensible error, or at least with an error not exceeding 1° F., the mean of the middle of the month. A free-hand curve was drawn through the plotted means, and the figures in the table were scaled from that curve.

*Normal temperatures by decades, 8 a. m. and 8 p. m., 75th meridian time.*

Stations.	January.				February.				March.				April.										
	1st decade.		2d decade.		3d decade.		1st decade.		2d decade.		3d decade.		1st decade.		2d decade.		3d decade.						
	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.					
Abilene, Tex.	38	48	37	47	37	47	38	49	38	49	37	48	36	46	31	49	34	53	67	56	70	59	73
Albany, N. Y.	22	27	21	25	20	24	21	24	20	21	22	23	20	23	24	21	23	29	43	48	48	53	53
Alpena, Mich.	20	23	18	21	17	20	16	20	16	17	17	23	20	24	25	23	27	31	36	37	40	41	44
Amarillo, Tex.	38	39	37	38	36	38	35	38	37	40	38	39	38	40	35	38	37	41	45	44	48	46	47
Atlanta, Ga.	39	45	38	45	38	45	39	45	39	47	41	49	43	53	46	55	49	58	52	55	64	58	67
Atlantic City, N. J.	22	36	31	35	31	34	31	34	31	34	32	35	34	37	37	39	39	42	42	45	48	49	51
Augusta, Ga.	41	49	40	48	40	48	41	49	42	51	44	53	46	56	48	51	51	54	61	67	67	61	69
Baker City, Oreg.	22	29	21	28	21	28	22	29	23	21	25	24	27	24	27	29	41	31	44	38	51	51	54
Baltimore, Md.	32	36	31	34	30	34	30	34	31	34	32	35	37	40	38	43	41	47	45	51	49	55	59
Binghamton, N. Y.	24	.....	22	21	21	21	21	21	20	20	23	23	26	20	20	20	20	21	21	20	20	20	20
Bismarck, N. Dak.	7	13	4	11	3	11	3	11	4	12	7	16	10	21	15	26	21	24	28	35	30	40	55
Block Island, R. I.	32	34	31	33	30	31	29	31	31	30	32	33	34	36	37	39	41	49	44	46	60	62	63
Boise, Idaho	26	33	24	31	25	32	25	34	30	37	32	42	34	47	38	51	54	40	57	42	60	44	54
Boston, Mass.	27	31	26	29	25	28	25	28	26	29	27	31	29	38	38	36	39	40	43	44	47	48	50
Buffalo, N. Y.	26	38	24	36	23	36	23	35	25	25	24	26	26	28	28	32	33	36	38	40	42	44	46
Cairo, Ill.	33	40	32	39	32	39	32	39	38	41	36	44	39	47	48	50	47	54	50	56	52	56	55
Carson City, Nev.	26	38	26	38	29	39	28	41	30	48	30	45	39	47	43	51	37	53	58	40	56	51	51
Charleston, S. C.	46	51	46	50	46	50	47	51	48	59	49	53	51	55	53	57	56	59	61	62	63	65	65
Charlotte, N. C.	37	44	35	43	36	44	37	44	38	46	40	45	42	51	44	52	47	56	50	54	58	62	65
Chattanooga, Tenn.	37	47	44	54	44	57	45	58	46	40	48	42	54	47	57	57	54	60	60	64	63	67	66
Cheyenne, Wyo.	24	28	22	28	22	28	21	28	21	29	22	31	28	33	25	35	27	39	30	43	37	51	51
Chicago, Ill.	24	27	22	26	21	26	21	27	22	29	23	31	26	35	34	38	34	43	42	47	46	51	51
Cincinnati, Ohio	31	36	30	35	30	35	29	35	30	36	31	38	34	41	37	45	40	49	44	51	48	51	52
Cleveland, Ohio	27	30	26	28	25	28	24	28	24	28	25	31	28	34	31	37	35	40	44	46	48	50	53
Columbus, Ohio	28	32	27	31	28	31	26	31	26	31	26	32	28	34	31	37	34	41	38	42	46	50	53
Concordia, Kans.	22	31	20	29	20	29	20	30	21	31	22	34	28	38	30	43	35	46	40	54	59	49	53
Corpus Christi, Tex.	53	58	52	58	52	58	53	59	54	60	56	61	58	66	65	63	67	66	69	71	70	73	73
Davenport, Iowa	21	26	19	25	18	24	18	24	20	25	22	28	25	32	29	37	34	43	39	45	45	54	59
Denver, Colo.	24	35	23	34	23	34	23	34	23	35	24	37	26	40	29	39	32	47	39	51	55	54	59
Des Moines, Iowa	19	25	17	23	16	23	16	24	17	26	20	30	21	34	28	39	33	44	38	48	43	47	53
Detroit, Mich.	24	27	23	26	22	28	25	21	25	21	26	23	27	26	28	29	34	33	38	43	48	47	52
Dodge, Kans.	24	33	23	32	23	32	23	33	23	35	25	38	27	42	30	46	35	51	40	50	48	53	57
Dubuque, Iowa	18	23	16	23	15	23	15	23	16	23	19	23	20	27	20	35	32	40	46	43	48	51	52
Duluth, Minn.	11	17	9	15	8	14	8	15	9	16	11	19	14	23	19	27	24	31	29	36	34	40	42
Eastport, Me.	21	24	19	23	19	23	19	23	20	24	22	24	21	28	27	30	30	38	37	40	39	40	42
El Paso, Tex.	34	51	34	51	35	52	36	55	38	57	40	59	42	61	44	64	67	48	70	51	73	54	76
Eric, Pa.	27	39	26	38	25	37	25	38	24	28	25	35	27	37	30	38	34	41	44	46	50	53	53
Eureka, Cal.	44	50	44	50	45	44	50	44	50	44	50	44	51	45	51	45	53	46	55	52	58	53	66
Fort Smith, Ark.	35	44	34	48	34	44	34	45	35	46	45	46	40	59	45	47	55	51	51	55	58	57	66
Fresno, Cal.	40	51	40	51	41	51	42	53	43	57	44	54	45	61	46	63	47	65	48	71	50	74	74
Galveston, Tex.	53	56	53	55	52	55	53	56	54	57	55	58	57	60	59	62	62	64	65	67	69	69	71
Grand Haven, Mich.	25	27	24	26	23	25	23	25	24	24	25	26	25	25	25	28	28	32	36	36	41	40	44
Green Bay, Wis.	16	21	14	19	18	19	12	18	12	18	12	20	15	23	18	23	24	28	34	39	44	44	49
Harrisburg, Pa.	23	33	28	32	27	32	26	33	27	32	28	34	26	36	31	38	35	45	48	53	57	57	60
Hatteras, N. C.	46	47	45	46	44	46	44	46	44	46	45	46	46	47	48	45	49	50	55	57	57	60	60
Havre, Mont.	15	20	18	18	11	17	10	17	11	18	13	21	15	25	25	18	20	22	27	37	44	38	55
Helena, Mont.	19	24	17	22	17	23	17	24	19	25	21	27	23	28	25	28	26	33	33	38	35	43	52
Huron, S. Dak.	10	18	8	16	7	15	7	16	8	17	11	21	14	23	20	25	25	37	45	39	44	48	56
Indianapolis, Ind.	28	32	27	31	26	31	26	31	27	32	29	35	31	38	32	39	35	44	44	51	48	55	59
Jacksonville, Fla.	50	56	49	55	49	56	50	57	51	58	53	55	55	60	57	58	64	61	61	66	67	70	70
Jupiter, Fla.	63	66	62	65	62	65	63	66	64	66	68	65	67	66	68	67	69	68	70	69	71	72	73
Kansas City, Mo.	27	34	26	33	25	32	25	33	26	33	28	36	31	40	34	45	39	49	55	49	58	58	63
Keokuk, Iowa	23	29	22	27	21	27	21	27	21	27	22	29	24	33	28	36	32	40	37	45	50	54	58
Key West, Fla.	68	69	67	69	68	69	68	70	69	70	71	71	71	72	73	73	74	74	75	75	75	75	75
Knoxville, Tenn.	35	42	34	41	34	41	35	42	36	43	38	46	40	49	43	53	46	55	49	57	57	60	65
La Crosse, Wis.	15	20	18	17	12	17	12	19	13	21	16	24	20	28	24	33	30</						

## Normal temperatures by decades, 8 a. m. and 8 p. m.—Continued.

Stations.	January.					February.					March.					April.				
	1st decade.		2d decade.		3d decade.	1st decade.		2d decade.		3d decade.	1st decade.		2d decade.		3d decade.	1st decade.		2d decade.		3d decade.
	8 a.m.	8 p.m.	8 a.m.	8 p.m.	8 a.m.	8 p.m.	8 a.m.	8 p.m.	8 a.m.	8 p.m.	8 a.m.	8 p.m.	8 a.m.	8 p.m.	8 a.m.	8 p.m.	8 a.m.	8 p.m.	8 a.m.	8 p.m.
Nantucket, Mass.	38	34	32	38	31	30	31	30	31	32	33	34	35	36	37	38	40	40	42	46
Nashville, Tenn.	36	42	35	41	35	41	35	42	36	43	40	43	46	49	53	48	57	53	57	46
New Haven, Conn.	28	30	25	29	24	29	24	29	25	30	27	32	29	36	38	40	43	44	46	50
New Orleans, La.	50	56	50	55	50	56	51	57	52	58	53	55	61	57	59	66	61	68	70	66
New York, N. Y.	30	34	29	33	28	32	28	33	29	33	30	34	32	36	34	38	42	46	50	54
Norfolk, Va.	88	43	37	42	37	41	38	41	39	42	40	44	42	46	44	47	50	50	53	59
Northfield, Vt.	14	19	13	17	12	17	13	18	13	19	15	21	18	24	22	27	27	31	38	46
North Platte, Nebr.	17	28	16	27	15	26	15	27	16	28	18	31	21	35	25	39	44	49	54	58
Oklahoma, Okla.	31	41	31	40	30	40	30	41	31	43	33	46	40	53	44	58	48	62	53	68
Omaha, Nebr.	19	27	17	26	17	25	18	25	19	27	21	30	25	34	33	38	34	44	49	50
Oswego, N. Y.	23	26	22	25	21	24	21	24	23	25	23	27	25	29	28	31	32	35	36	47
Palestine, Tex.	48	52	42	51	45	51	43	52	44	54	46	56	48	59	51	54	57	60	62	72
Parkersburg, W. Va.	30	36	30	35	29	35	29	35	30	36	31	38	34	41	37	44	48	52	56	60
Pensacola, Fla.	43	55	46	54	49	55	50	56	51	57	53	58	55	60	57	62	66	68	70	77
Philadelphia, Pa.	31	34	30	33	30	33	29	34	33	35	30	37	33	39	36	42	44	49	53	57
Phoenix, Ariz.	41	60	42	61	43	62	44	63	45	65	46	67	47	69	48	71	50	52	58	62
Pierre, S. Dak.	14	23	12	23	10	21	10	21	11	23	13	25	17	29	21	34	37	39	44	59
Pittsburg, Pa.	31	34	30	33	29	33	29	33	30	36	33	38	35	41	38	46	50	54	58	63
Pocatello, Idaho.	18	26	17	25	16	25	16	26	17	27	19	30	23	34	25	38	38	42	52	56
Port Huron, Mich.	23	26	22	25	21	24	20	24	19	25	21	27	24	29	29	32	36	40	44	48
Portland, Me.	23	25	21	23	21	23	21	24	22	25	24	27	26	29	28	31	35	37	41	46
Portland, Oreg.	37	41	36	40	36	41	37	43	38	45	39	47	41	49	42	53	53	57	59	63
Pueblo, Colo.	23	36	21	35	21	35	21	36	23	33	24	31	26	34	28	32	35	38	41	43
Raleigh, N. C.	37	44	36	43	36	43	37	44	38	45	40	44	42	49	44	52	50	54	58	64
Rapid City, S. Dak.	20	25	18	24	17	23	17	24	17	25	19	27	21	30	24	33	38	44	50	54
Red Bluff, Cal.	40	50	40	51	41	52	42	53	43	55	44	57	45	59	46	61	47	63	50	68
Rochester, N. Y.	25	27	24	26	23	25	22	24	23	24	24	26	27	29	28	34	36	41	46	50
Roseburg, Oreg.	38	41	36	44	38	45	38	46	38	47	39	49	39	51	40	53	55	57	61	64
Sacramento, Cal.	41	49	41	49	42	50	43	52	44	54	45	56	53	58	47	62	54	64	66	73
St. Louis, Mo.	30	36	35	38	35	38	35	38	35	38	33	39	35	40	38	42	51	56	50	54
St. Paul, Minn.	12	18	10	16	9	16	9	17	10	19	13	22	17	25	21	30	28	37	34	48
Salt Lake City, Utah.	36	32	25	31	26	32	27	33	29	35	31	38	33	41	35	49	39	53	42	56
San Antonio, Tex.	46	57	45	56	45	56	46	57	47	59	49	51	53	56	58	63	65	75	78	82
San Diego, Cal.	49	58	46	57	48	57	49	58	49	58	50	51	51	59	51	60	52	61	65	68
Sandusky, Ohio.	27	30	26	32	25	32	24	33	28	35	29	32	27	31	29	36	36	40	45	53
San Francisco, Cal.	47	53	46	53	46	53	47	53	47	54	48	54	55	56	56	50	56	51	57	62
Santa Fe, N. Mex.	24	32	23	31	28	32	24	34	25	36	27	38	29	42	31	43	36	51	54	57
Sault Ste. Marie, Mich.	15	19	13	17	11	16	10	16	9	17	11	19	13	21	17	24	22	28	34	39
Savannah, Ga.	45	51	45	51	46	51	47	52	48	53	49	54	51	56	53	60	62	68	74	83
Seattle, Wash.	40	42	39	42	39	43	39	44	40	45	40	46	41	47	42	50	53	54	56	61
Shreveport, La.	48	52	42	51	42	51	43	52	44	53	46	55	48	58	50	61	58	67	70	73
Sioux City, Iowa.	17	20	15	24	20	25	21	26	23	27	26	28	29	30	24	30	36	41	46	57
Spokane, Wash.	25	30	24	29	23	29	24	30	24	31	27	33	30	37	34	41	38	46	51	55
Springfield, Ill.	25	30	24	29	23	28	24	33	25	30	29	35	32	37	34	41	38	42	51	55
Springfield, Mo.	29	36	26	35	28	35	26	34	26	35	29	31	34	38	37	47	42	51	56	63
Tacoma, Wash.	39	.....	38	.....	38	.....	38	.....	39	.....	39	.....	40	.....	40	.....	41	.....	42	.....
Tampa, Fla.	55	59	54	59	55	60	56	61	57	63	53	58	59	64	61	65	63	66	68	73
Toledo, Ohio.	25	29	24	28	23	27	22	27	23	28	24	29	27	32	30	36	35	41	46	54
Valentine, Nebr.	15	25	13	23	18	22	14	21	15	23	18	22	23	27	26	33	32	44	44	56
Vicksburg, Miss.	44	52	43	51	43	51	44	52	45	54	47	56	49	53	51	61	54	67	70	72
Walla Walla, Wash.	32	35	31	34	31	36	32	38	34	39	34	40	35	43	37	46	43	57	60	68
Washington, D. C.	31	36	30	35	29	34	30	34	31	36	33	38	35	41	38	45	45	52	53	59
Wichita, Kans.	27	36	26	35	25	35	26	35	28	37	28	38	30	40	35	45	58	62	66	70
Williston, N. Dak.	6	12	4	10	3	9	2	10	3	12	6	15	10	20	15	25	21	33	37	44
Wilmington, N. C.	42	48	41	47	41	47	42	48	43	49	45	50	47	52	49	54	51	56	57	63
Winnemucca, Nev.	22	33	21	32	22	34	23	36	25	38	27	41	29	44	31	47	38	50	35	59
Yankton, S. Dak.	16	.....	14	.....	13	.....	13	.....	14	.....	17	.....	20	.....	20	.....	23	.....	29	.....
Yuma, Ariz.	46	62	46	60	47	64	48	66	49	68	50	70	51	73	53	74	53	76	55	85
<i>Canadian stations.</i>																				
St. Johns, N. F.	26	26	25	24	24	26	23	24	24	26	25	28	26	28	28	30	30	32	36	36
Sydney, C. B. I.	24	24	23	22	21	21	20	21	21	22	23	24	25	26	26	28	31	30	34	38
Halifax, N. S.	24	26	23	23	22	24	23	24	23	25	25	26	27	28	28	30	33	35	39	41
Chatham, N. B.	10	14	8	18	7	12	8	13	10	15	14	18	18	21	21	24	24	26	31	38
Father Point, Que.	10	12	7	10	9	11	11	13	14	16	17	19	19	21	21	24	24	25	30	38
Quebec, Que.	10	14	9	12	8	12	9	13	10	15	18	18	16	21	20	24	24	28	29	34
Montreal, Que.	13	15	12	18																

## Normal temperatures by decades, 8 a. m. and 8 p. m.—Continued.

Stations.	May.				June.				July.				August.					
	1st decade.		2d decade.		3d decade.		1st decade.		2d decade.		3d decade.		1st decade.		2d decade.		3d decade.	
	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.
Abilene, Tex.	62	76	64	78	66	80	69	82	71	85	72	87	73	88	74	89	73	88
Albany, N. Y.	52	57	56	61	60	64	63	67	66	62	63	65	64	69	74	68	73	67
Alpena, Mich.	45	48	49	51	53	55	57	59	60	62	63	64	65	67	67	68	63	65
Amarillo, Tex.	51	69	55	73	53	75	61	77	63	79	65	81	67	82	74	82	67	72
Atlanta, Ga.	61	70	64	73	67	74	69	76	71	78	73	79	74	80	74	79	73	77
Atlantic City, N. J.	58	58	56	56	60	59	63	62	65	64	67	67	69	71	71	72	72	71
Augusta, Ga.	64	73	67	75	70	77	73	78	75	79	76	80	76	81	76	78	73	78
Baker City, Oreg.	40	57	42	60	48	68	45	66	47	68	49	71	51	74	75	78	75	77
Baltimore, Md.	57	62	61	65	64	68	71	71	74	73	76	74	77	75	78	74	71	61
Binghamton, N. Y.	49	53	53	57	57	60	60	63	63	66	66	68	68	70	67	66	64	61
Bismarck, N. Dak.	44	59	47	62	50	65	55	54	68	57	71	59	72	61	76	62	77	57
Block Island, R. I.	49	49	53	52	55	55	55	59	62	61	64	63	66	68	67	68	63	65
Boise, Idaho	46	64	48	57	50	59	57	60	63	64	66	65	68	68	70	68	66	65
Boston, Mass.	52	54	55	55	55	57	59	60	63	65	66	67	69	69	70	68	67	65
Buffalo, N. Y.	49	53	53	55	55	57	57	60	63	64	66	66	69	68	71	67	66	69
Cairo, Ill.	59	68	63	71	65	74	68	76	70	78	73	80	74	81	73	80	72	77
Carson City, Nev.	49	61	61	69	66	74	67	75	76	77	73	79	77	80	79	80	75	79
Charleston, S. C.	68	69	71	72	73	74	72	76	77	78	73	79	77	80	78	77	76	76
Charlotte, N. C.	61	68	64	70	67	72	70	74	72	76	73	77	74	77	73	78	71	71
Chattanooga, Tenn.	60	69	63	72	66	74	68	76	70	78	73	79	73	80	78	79	73	77
Cheyenne, Wyo.	40	54	43	57	46	61	49	64	52	68	54	70	56	72	58	74	57	70
Chicago, Ill.	50	54	54	57	58	60	58	62	63	69	65	70	69	70	68	70	67	71
Cincinnati, Ohio	55	64	59	66	63	70	64	64	62	65	65	70	67	72	69	70	65	70
Cleveland, Ohio	52	56	56	60	59	64	60	67	63	68	62	68	66	70	69	70	67	70
Columbus, Ohio	54	61	57	64	60	66	67	68	70	66	73	78	75	77	78	78	77	74
Concordia, Kans.	53	67	57	70	60	78	63	76	66	79	68	81	69	84	68	83	67	81
Corpus Christi, Tex.	73	75	77	77	76	79	77	81	78	82	79	83	80	84	80	84	79	83
Davenport, Iowa	53	63	56	66	59	69	62	72	65	75	67	77	69	74	68	76	66	77
Denver, Col.	44	61	47	64	51	49	54	51	57	54	54	58	56	63	62	68	61	60
Des Moines, Iowa	51	63	53	66	58	68	61	73	64	75	66	77	77	81	68	79	67	71
Detroit, Mich.	51	56	55	60	58	63	61	66	64	69	66	71	68	73	69	74	66	73
Dodge, Kans.	52	66	56	69	59	72	62	75	64	78	68	80	70	84	68	83	66	81
Dubuque, Iowa	51	61	54	65	58	69	63	72	65	75	67	77	68	80	70	78	65	76
Duluth, Minn.	42	48	45	51	43	54	51	57	54	60	57	63	60	65	62	68	61	67
Eastport, Me.	48	44	46	48	49	53	53	53	54	54	58	56	58	59	59	60	59	58
El Paso, Tex.	57	79	60	82	63	83	65	87	67	88	68	89	70	91	88	90	67	86
Erie, Pa.	52	54	56	58	58	61	63	64	65	67	67	69	71	70	68	71	66	76
Eureka, Cal.	48	53	49	54	50	55	50	58	56	59	51	56	55	57	53	58	53	58
Fort Smith, Ark.	61	71	64	74	67	77	70	79	73	81	73	88	74	94	84	93	71	84
Fresno, Cal.	52	77	54	80	56	83	58	86	60	89	62	92	64	95	65	97	66	96
Galveston, Tex.	71	73	73	75	75	77	77	79	79	80	80	81	81	82	81	83	81	82
Grand Haven, Mich.	48	54	53	57	56	60	59	63	62	65	61	66	66	70	57	65	61	68
Green Bay, Wis.	48	54	53	59	56	62	58	66	61	69	63	68	67	72	64	73	61	71
Harrisburg, Pa.	55	61	59	64	62	67	65	70	68	72	69	73	70	74	75	75	70	77
Hatteras, N. C.	63	68	67	66	66	70	69	73	71	75	73	76	75	77	77	78	76	76
Havre, Mont.	41	59	45	62	48	65	50	68	52	61	54	74	56	76	57	76	53	74
Helena, Mont.	41	56	44	50	47	62	49	54	57	60	51	63	53	71	57	63	53	71
Huron, S. Dak.	46	60	50	64	54	67	57	70	60	68	62	73	63	80	60	78	57	74
Indianapolis, Ind.	56	68	59	66	66	69	65	75	72	75	73	78	78	81	70	80	68	76
Jacksonville, Fla.	63	72	71	74	73	76	75	76	77	77	75	78	79	79	79	78	77	78
Jupiter, Fla.	75	74	77	75	78	76	79	77	80	78	80	81	81	80	80	82	81	80
Kansas City, Mo.	56	66	62	68	62	70	65	73	68	76	69	76	70	80	63	81	66	78
Keokuk, Iowa	54	62	58	66	62	70	66	72	69	74	71	71	73	73	72	76	71	74
Key West, Fla.	76	77	78	78	75	80	81	80	82	81	82	82	83	83	83	83	82	82
Knoxville, Tenn.	58	68	61	70	64	72	67	74	69	76	71	77	71	78	72	78	70	77
La Crosse, Wis.	49	57	53	61	57	65	60	69	63	72	65	74	66	76	65	75	63	71
Lander, Wyo.	39	58	42	53	45	55	49	54	50	55	52	54	52	58	54	58	52	58
Lexington, Ky.	57	64	60	67	63	66	66	72	69	74	71	71	73	77	72	76	71	74
Little Rock, Ark.	62	73	65	74	68	76	70	78	73	78	73	78	74	81	75	82	71	81
Los Angeles, Calif.	58	63	54	64	55	65	56	66	67	69	58	70	71	71	75	74	73	71
Louisville, Ky.	58	67	61	70	64	73	67	76	69	73	71	71	70	81	72	81	71	78
Lynchburg, Va.	59	66	62	69	65	71	68	73	70	75	71	71	73	77	73	77	68	74
Marquette, Mich.	44	46	48	49	50	52	54	55	58	58	61	61	63	65	66	66	64	68
Memphis, Tenn.	63	72	66	74	69	76	71	78	73	78	70	81	75	82	75	82	73	82
Meridian, Miss.	68	72	66	74	69	76	71	77	73	78	74	79	75	79	74	79	73	77
Miles City, Mont.	45	61	48	65	51	68	54	71	57	74	60	77	61	76	62	82	61	81
Milwaukee, Wis.	48	53	53	56	56	58	59	63	62	65	65	68	68	70	68	72	67	70
Mobile, Ala.	68	73	70	75	72	77	74	78	76	79	77	81	78	81	78	80	75	80
Montgomery, Ala.	64	74	67	76	70	78	73	78	74	79	71	81	73	82	76	82	75	80
Moorehead, Minn.	44	57	48	61	52	64	55	65	67	68	60	67	72	61	74	62	73	67
Nantucket, Mass.	50	49	54	52	57	55	60	57	63	59	65	65	67	68	66	68	66	68
Nashville, Tenn.	60	69	63	72	66	75	69	77	71	79	73	78	71	74	72	73	71	72
New Haven, Conn.	52	54	56	58	60	61	63	6										

## Normal temperatures by decades, 8 a. m. and 8 p. m.—Continued.

Stations.	May.						June.						July.						August.					
	1st decade.		2d decade.		3d decade.		1st decade.		2d decade.		3d decade.		1st decade.		2d decade.		3d decade.		1st decade.		2d decade.		3d decade.	
	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.
Phoenix, Ariz. ....	58	85	61	88	64	91	67	94	70	97	74	99	77	100	79	101	79	101	78	100	77	99	75	98
Pierre, S. Dak. ....	48	63	52	67	55	70	58	73	61	76	63	79	65	81	66	83	65	82	63	81	66	80	66	82
Pittsburg, Pa. ....	55	62	58	65	61	68	64	71	66	73	68	75	69	76	70	77	70	77	69	75	68	75	65	74
Pocatello, Idaho. ....	40	60	43	64	45	68	47	71	49	74	51	71	53	80	55	83	55	83	54	80	53	80	50	78
Port Huron, Mich. ....	48	52	52	56	56	59	60	62	63	65	65	68	66	70	67	71	67	71	66	70	64	70	69	77
Portland, Me. ....	49	50	53	58	56	56	59	59	62	64	64	66	66	67	67	67	67	66	67	66	66	66	66	64
Portland, Oreg. ....	47	61	49	63	51	65	57	67	69	71	68	75	62	80	68	81	63	81	62	81	60	80	58	78
Pueblo, Colo. ....	46	66	49	69	52	72	55	75	58	77	60	79	71	77	75	78	75	78	74	77	73	78	76	74
Raleigh, N. C. ....	61	67	64	70	67	73	69	74	71	76	78	77	74	78	75	78	74	78	73	77	71	77	75	74
Rapid City, S. Dak. ....	46	58	49	63	53	65	55	68	58	71	61	74	68	77	64	79	64	79	63	78	61	77	59	74
Red Bluff, Cal. ....	54	74	56	77	58	80	60	88	62	82	64	86	66	92	68	95	68	96	68	95	67	94	66	92
Rochester, N. Y. ....	50	54	52	58	55	58	54	67	59	66	65	70	68	71	69	70	68	70	67	70	65	70	63	70
Roseburg, Oreg. ....	46	66	49	69	52	72	55	75	58	77	60	79	71	77	73	78	71	78	70	77	68	75	68	78
Sacramento, Cal. ....	52	70	53	72	56	74	54	74	57	78	66	82	64	84	59	85	59	86	59	85	58	85	59	84
St. Louis, Mo. ....	58	66	62	69	61	64	55	68	57	78	72	80	73	78	74	82	73	78	70	75	66	71	66	71
St. Paul, Minn. ....	47	59	51	63	55	66	58	68	61	73	68	75	65	77	66	78	65	78	64	77	62	75	60	75
Salt Lake City, Utah. ....	48	62	51	65	54	68	57	65	57	73	61	78	63	81	65	84	66	85	65	84	65	83	63	80
San Antonio, Tex. ....	67	77	69	79	71	81	73	83	74	80	75	85	76	87	78	88	76	88	75	88	75	87	75	86
San Diego, Cal. ....	56	62	57	63	58	64	56	65	66	71	68	76	68	78	68	79	68	78	68	78	65	75	65	74
Sandusky, Ohio. ....	53	56	57	60	61	64	64	68	67	71	78	72	70	74	71	75	71	75	70	74	68	73	66	71
San Francisco, Cal. ....	51	57	52	58	53	58	52	58	53	58	58	59	58	58	60	54	61	55	61	55	61	55	61	55
Santa Fe, N. Mex. ....	45	60	48	63	51	65	54	66	58	64	60	68	60	68	61	68	61	68	61	68	61	68	61	68
Sault Ste. Marie, Mich. ....	42	47	47	48	51	51	51	53	53	58	58	60	57	62	60	64	60	64	60	64	58	63	61	61
Savannah, Ga. ....	67	70	70	72	72	74	74	76	76	78	78	77	77	78	79	78	78	79	78	79	77	78	77	78
Seattle, Wash. ....	46	58	48	60	51	62	51	64	52	62	66	68	64	70	65	72	66	72	65	71	65	70	65	71
Shreveport, La. ....	66	75	68	77	70	79	72	81	74	82	75	88	76	84	76	85	75	84	74	83	73	82	73	82
Sioux City, Iowa. ....	50	54	54	60	57	65	57	65	60	68	65	75	65	75	67	76	66	75	65	75	65	75	65	75
Spokane, Wash. ....	44	60	46	68	48	66	50	69	52	73	54	75	55	78	56	80	56	81	56	81	55	80	55	80
Springfield, Ill. ....	54	63	58	67	61	70	64	73	68	75	68	77	70	79	71	80	70	79	70	79	71	80	71	80
Springfield, Mo. ....	56	65	59	68	63	71	65	74	67	78	70	78	70	79	71	80	71	79	70	79	71	80	71	80
Tacoma, Wash. ....	45	47	47	48	49	50	50	50	51	51	51	51	51	51	52	51	51	51	51	51	51	51	51	51
Tampa, Fla. ....	71	74	73	75	75	76	71	77	73	78	79	79	79	80	80	80	80	80	80	80	80	80	80	80
Toledo, Ohio. ....	52	58	56	62	60	65	63	68	68	71	67	73	68	75	69	76	68	75	68	75	68	75	68	75
Valentine, N. D. ....	51	59	54	63	56	65	58	66	61	69	62	74	64	77	65	78	64	77	65	78	64	77	64	77
Vicksburg, Miss. ....	66	74	68	76	70	78	72	78	73	79	73	80	74	81	75	82	76	82	75	81	74	81	73	80
Walla Walla, Wash. ....	49	66	51	69	53	72	55	75	57	71	59	78	59	81	61	83	62	83	63	85	62	83	60	80
Washington, D. C. ....	57	62	60	65	63	68	66	71	69	73	71	74	72	75	73	76	72	75	73	76	72	75	70	78
Wichita, Kans. ....	56	68	59	71	62	74	65	77	68	79	70	81	71	83	72	84	73	83	71	84	73	84	71	82
Williston, N. Dak. ....	43	58	46	61	50	64	53	67	56	70	58	73	59	76	60	78	59	77	60	78	58	77	57	76
Wilmington, N. C. ....	63	66	66	68	69	71	69	74	72	73	73	76	74	77	75	78	74	77	75	77	75	77	75	76
Winnemucca, Nev. ....	42	62	45	66	43	68	50	71	53	74	54	76	55	78	56	80	55	80	56	80	55	80	55	81
Yankton, S. Dak. ....	47	51	51	55	55	59	57	60	59	62	60	68	57	67	60	68	58	67	60	68	58	67	60	68
Yuma, Ariz. ....	61	83	68	90	65	92	67	94	70	96	73	98	76	100	78	102	79	101	78	100	76	99	76	99
<i>Canadian stations.</i>																								
St. Johns, N. F. ....	41	88	44	40	47	42	50	44	50	57	56	62	60	64	62	66	61	65	62	66	61	64	60	63
Sydney, C. B. I. ....	45	41	48	44	47	51	54	50	57	53	56	55	58	56	59	58	64	61	65	62	63	61	64	60
Halifax, N. S. ....	45	44	49	47	53	50	56	53	58	55	58	60	57	63	62	65	61	65	62	65	61	64	60	65
Chatham, N. B. ....	45	44	49	48	52	55	56	58	54	59	56	58	56	59	61	64	61	65	62	65	61	64	60	65
Father Point, Que. ....	42	43	45	45	48	48	51	51	51	54	54	58	53	58	56	57	57	58	57	58	56	55	55	58
Quebec, Que. ....	44	48	48	53	52	56	55	59	56	62	60	64	62	66	63	67	62	66	61	65	61	64	57	61
Montreal, Que. ....	48	52	52	55	56	58	60	61	63	64	65	66	64	66	66	67	66	66	65	66	64	66	64	66
Bissell, Ont. ....	45	50	49	54	53	57	56	60	59	63	61	64	62	65	62	66	61	65	62	66	61	65	60	65
White River, Ont. ....	37	47	42	51	46	55	50	58	53	63	54	64	53	65	55	66	55	66	55	66	54	66	53	66
Saugeen, Ont. ....	47	46	51	50</																				

## Normal temperatures by decades, 8 a. m. and 8 p. m.—Continued.

Stations.	September.						October.						November.						December.						
	1st decade.			2d decade.			3d decade.			1st decade.			2d decade.			3d decade.			1st decade.			2d decade.			
	8 a.m.	8 p.m.	8 a.m.	8 p.m.	8 a.m.	8 p.m.	8 a.m.	8 p.m.	8 a.m.	8 p.m.	8 a.m.	8 p.m.	8 a.m.	8 p.m.	8 a.m.	8 p.m.	8 a.m.	8 p.m.	8 a.m.	8 p.m.	8 a.m.	8 p.m.	8 a.m.	8 p.m.	
Abilene, Tex.	69	82	66	79	68	76	60	73	57	69	58	65	49	61	45	57	48	54	51	50	40	50	39	49	
Albany, N. Y.	68	67	60	64	56	60	51	56	47	52	48	48	40	48	37	40	38	37	30	27	30	24	26	25	
Alpena, Mich.	57	61	55	59	51	55	47	51	44	47	40	48	37	39	33	36	30	38	37	30	25	27	23	25	
Amarillo, Tex.	61	77	59	74	55	70	51	66	47	61	44	57	40	53	37	50	46	48	32	41	30	41	29	40	
Atlanta, Ga.	69	75	67	73	63	70	60	67	56	64	52	61	49	57	46	54	44	51	42	49	41	47	40	46	
Atlantic City, N. J.	68	69	66	67	63	64	59	61	55	57	51	53	48	49	44	46	41	48	38	40	36	38	34	37	
Augusta, Ga.	71	77	69	75	66	72	61	69	57	65	54	62	50	50	47	56	45	54	42	51	41	50	38	50	
Baker City, Oreg.	48	74	45	70	42	66	40	62	38	58	54	54	38	50	31	45	29	40	27	37	25	38	28	37	
Baltimore, Md.	69	72	65	69	62	65	58	61	51	57	50	54	46	50	43	47	40	44	37	41	35	39	38	37	
Binghamton, N. Y.	59	65	55	53	50	50	45	42	38	42	38	35	35	32	35	37	35	32	31	30	32	33	32	35	
Bismarck, N. Dak.	51	69	48	65	44	59	40	54	35	48	30	42	26	35	22	29	19	25	16	22	18	19	10	16	
Block Island, R. I.	65	65	63	64	60	60	57	57	58	54	50	51	47	48	44	45	41	42	38	39	36	37	34	35	
Boise, Idaho	53	77	51	79	48	69	46	65	44	60	42	55	39	38	36	45	34	43	34	39	30	36	34	34	
Boston, Mass.	68	65	61	68	58	59	54	56	50	53	46	49	43	46	40	42	37	40	35	37	31	34	32	33	
Buffalo, N. Y.	63	68	60	68	57	60	58	56	49	53	46	48	42	44	38	40	35	37	33	32	30	33	28	30	
Cairo, Ill.	68	75	64	73	60	69	56	65	52	61	48	57	45	53	42	49	40	46	36	42	34	40	36	39	
Carson City, Nev.	59	74	48	71	45	67	42	59	39	57	53	55	48	51	54	59	51	56	49	54	47	51	46	45	
Charleston, S. C.	74	78	72	76	69	74	66	70	68	66	60	64	57	61	54	59	51	56	49	54	47	51	46	44	
Charlotte, N. C.	68	74	66	72	69	69	58	63	54	63	50	59	47	55	44	52	41	50	39	48	38	46	37	44	
Chattanooga, Tenn.	68	75	65	73	61	70	57	67	53	63	50	60	47	56	44	52	41	50	39	48	38	46	37	44	
Cheyenne, Wyo.	50	68	47	65	44	60	40	54	37	49	35	45	32	41	30	37	26	34	26	31	25	29	25	29	
Chicago, Ill.	63	69	60	67	57	63	58	59	49	54	44	49	39	40	31	37	28	34	26	31	25	29	25	29	
Cincinnati, Ohio	65	75	62	72	58	69	54	61	50	60	46	55	42	50	40	46	37	42	35	40	33	38	32	37	
Cleveland, Ohio	63	69	59	66	56	62	54	60	54	58	50	54	46	50	43	48	38	42	36	40	33	38	31	34	
Columbus, Ohio	63	71	60	68	56	65	52	61	48	56	44	51	41	47	36	43	35	40	32	38	30	35	29	34	
Concordia, Kans.	62	76	59	72	55	68	51	63	46	58	41	53	37	48	38	43	30	39	28	36	34	42	33	33	
Corpus Christi, Tex.	72	76	75	81	73	80	71	78	69	76	66	73	63	60	67	58	64	56	62	54	60	53	59		
Davenport, Iowa	61	73	58	68	54	64	50	60	46	55	41	49	37	44	33	39	35	42	32	38	30	36	28	32	
Denver, Colo.	53	74	50	71	47	67	44	63	40	58	37	50	34	48	31	44	33	41	28	38	32	36	27	37	
Des Moines, Iowa	60	73	57	68	53	64	49	60	45	55	40	50	35	45	31	40	33	41	28	38	30	35	21	37	
Detroit, Mich.	62	68	59	65	55	61	51	57	47	52	43	48	39	44	36	40	33	37	30	34	28	36	31	35	
Dodge, Kans.	61	76	58	72	54	68	50	64	45	59	40	54	36	49	32	45	30	41	28	36	32	36	28	35	
Dubuque, Iowa	60	71	57	67	53	68	49	59	45	54	40	54	36	48	33	38	30	34	26	31	28	32	20	32	
Duluth, Minn.	56	62	53	59	50	55	46	51	42	47	37	42	32	36	27	31	23	27	19	24	16	21	13	19	
Eastport, Me.	57	57	55	55	52	53	49	50	46	47	43	44	40	41	36	38	32	34	26	31	23	27	23	26	
El Paso, Tex.	65	68	62	80	59	77	56	74	52	70	49	66	44	62	41	59	36	44	37	45	31	38	35	51	
Erie, Pa.	64	67	61	64	58	61	57	51	57	50	56	49	55	49	53	46	54	45	51	35	44	36	44	31	45
Eureka, Cal.	52	58	52	58	51	51	57	57	50	56	49	55	49	53	48	54	46	52	36	44	36	45	31	45	
Fort Smith, Ark.	68	80	65	77	61	74	57	63	50	63	49	54	40	53	36	48	32	41	27	31	23	35	20	35	
Fresno, Cal.	62	91	60	87	58	88	56	79	53	75	50	71	48	67	46	68	44	59	43	55	36	41	31	41	
Galveston, Tex.	78	81	77	80	75	73	73	78	70	73	67	70	64	67	61	64	59	62	57	60	55	58	54	57	
Grand Haven, Mich.	60	66	57	63	54	59	50	55	46	58	49	51	42	47	39	46	38	40	33	38	31	35	27	38	
Green Bay, Wis.	58	65	55	62	52	58	48	54	44	49	39	44	34	39	30	35	27	31	24	30	21	26	18	28	
Harrisburg, Pa.	65	69	63	66	58	63	54	68	50	64	46	51	42	47	39	44	36	41	31	38	33	36	25	36	
Hatteras, N. C.	76	75	74	73	71	71	68	64	64	61	61	55	55	55	55	53	53	49	51	47	51	47	51	48	
Havre, Mont.	47	70	44	65	41	60	38	54	35	48	32	43	28	38	25	33	24	31	21	37	17	22	17	22	
Helena, Mont.	50	67	47	63	44	59	41	54	38	49	35	44	32	40	28	36	25	30	21	35	15	26	21	26	
Huron, S. Dak.	54	71	50	70	57	68	52	63	42	58	34	46	32	40	25	33	21	30	18	25	12	23	12	23	
Indianapolis, Ind.	64	73	61	70	57	68	53	62	48	58	44	54	40	49	37	44	35	41	25	37	21	33	17	33	
Jacksonville, Fla.	76	77	75	76	72	74	71	72	68	70	63	67	60	60	64	57	62	55	60	58	55	57	51	56	
Jupiter, Fla.	81	80	60	79	79	79	78	77	77	75	73	75	71	71	73	72	70	66	68	64	67	63	66	66	
Kansas City, Mo.	64	76	61	73	58	66	56	62	48	58	44	52	39	46	35	48	33	42	29	38	25	37	21	38	
Keokuk, Iowa	63	73	60	70	56	66	52	62	51	58	47	54	44	50	41	47	38	45	32	42	29	37	24	38	
Key West, Fla.	82	83	82	81	81	81	75	75	75	78	71	77	71	71	74	74	70	71	70	71	69	70	68	72	
Knoxville, Tenn.	66	74	63	72	59	69	55	65	50	61	47	57	44	53	41	49	37	45</							

## Normal temperatures by decades, 8 a. m. and 8 p. m.—Continued.

Stations.	September.				October.				November.				December.											
	1st decade.		2d decade.		3d decade.		1st decade.		2d decade.		3d decade.		1st decade.		2d decade.		3d decade.							
	8 a.m.	8 p.m.	8 a.m.	8 p.m.	8 a.m.	8 p.m.	8 a.m.	8 p.m.	8 a.m.	8 p.m.	8 a.m.	8 p.m.	8 a.m.	8 p.m.	8 a.m.	8 p.m.	8 a.m.	8 p.m.						
Phoenix, Ariz.	73	96	70	98	67	89	63	85	59	80	55	70	51	72	48	69	45	66	43	68	41	61	40	60
Pierre, S. Dak.	57	75	53	71	49	66	45	60	40	54	35	47	30	40	26	35	32	20	29	18	25	16	24	
Pittsburg, Pa.	64	72	61	69	57	65	53	61	49	57	46	53	43	49	40	45	38	42	36	33	34	32	35	
Pocatello, Idaho	48	74	45	70	42	65	39	59	36	58	33	48	30	43	27	38	24	34	23	30	20	35		
Port Huron, Mich.	60	65	57	68	54	59	50	55	46	51	42	46	38	42	35	38	32	35	29	30	27	33		
Portland, Me.	61	62	58	69	54	56	50	52	46	48	42	44	39	40	35	37	31	34	28	31	25	36		
Portland, Oreg.	56	71	55	68	53	65	51	62	49	59	47	56	45	52	43	49	41	47	40	45	39	43		
Pueblo, Colo.	55	76	53	73	48	69	44	64	40	59	36	54	38	49	30	45	38	42	36	40	34	37		
Raleigh, N. C.	70	74	67	72	63	68	59	64	55	61	51	58	48	55	45	52	48	49	41	47	39	44		
Rapid City, S. Dak.	58	71	53	67	50	62	46	57	42	52	38	47	34	42	31	38	28	34	26	31	24	37		
Red Bluff, Cal.	64	88	62	85	60	81	58	77	55	73	52	60	49	65	47	61	45	57	43	54	42	51		
Rochester, N. Y.	63	65	59	63	51	54	46	54	47	50	50	48	46	49	37	39	34	38	31	37	34	35		
Roseburg, Oreg.	51	74	50	71	49	68	47	65	46	62	45	59	43	55	42	52	41	49	40	47	39	44		
Sacramento, Cal.	58	82	57	80	56	78	55	75	53	72	51	69	49	65	47	61	45	56	43	55	42	50		
St. Louis, Mo.	67	77	64	74	60	70	56	66	52	62	48	56	44	51	40	47	37	44	35	41	33	31		
St. Paul, Minn.	57	68	54	64	50	60	46	56	43	51	37	45	32	39	27	38	24	29	21	26	18	20		
Salt Lake City, Utah	60	76	56	72	52	67	49	61	46	56	43	52	40	48	37	44	34	40	31	37	29	33		
San Antonio, Tex.	72	84	70	82	68	80	61	78	62	75	58	71	55	67	53	64	50	60	48	50	46	57		
San Diego, Cal.	64	70	63	69	62	68	58	67	55	66	53	65	57	64	55	63	53	62	51	61	55	60		
Sandusky, Ohio	64	69	61	66	57	62	53	58	49	54	45	50	41	46	38	43	35	39	32	38	33	31		
San Francisco, Cal.	56	62	56	62	56	61	55	61	53	60	54	60	54	59	58	58	51	57	49	55	48	52		
Santa Fe, N. Mex.	54	69	52	66	46	58	42	54	38	49	35	45	33	41	30	38	28	36	26	34	25	33		
Sault Ste. Marie, Mich.	54	59	52	56	49	58	46	49	42	45	38	41	34	37	30	38	27	30	24	31	21	21		
Savannah, Ga.	75	76	73	75	70	73	66	70	62	67	59	64	56	61	53	59	50	55	47	53	46	53		
Seattle, Wash.	51	66	53	64	52	61	50	58	48	55	46	52	44	49	47	42	46	41	45	41	44	43		
Shreveport, La.	71	81	69	79	66	76	62	73	58	70	51	66	51	62	49	59	47	57	45	55	44	53		
Sioux City, Iowa	58	...	55	...	52	...	47	...	42	...	37	...	32	...	28	...	25	...	23	...	31	...		
Spokane, Wash.	51	72	48	68	45	64	42	60	40	56	38	51	36	46	34	41	33	38	30	36	28	34		
Springfield, Ill.	63	78	60	70	56	66	53	62	48	57	49	51	39	46	36	42	33	39	31	36	29	33		
Springfield, Mo.	65	74	62	72	58	68	54	64	50	60	48	56	42	53	38	48	35	41	31	39	30	37		
Tacoma, Wash.	53	...	52	...	50	...	48	...	45	...	45	...	44	...	43	...	42	...	41	...	40	...		
Tampa, Fla.	77	78	76	77	74	76	72	75	70	73	67	71	64	69	63	67	65	68	61	65	55	60		
Toledo, Ohio.	62	69	59	66	55	62	51	58	47	51	48	49	39	44	36	40	33	37	31	34	28	30		
Valentine, Nebr.	54	73	50	68	46	61	42	59	38	54	35	49	32	44	39	36	26	33	30	33	20	27		
Vicksburg, Miss.	71	79	69	77	66	74	62	71	58	68	55	65	52	62	50	53	48	57	55	53	45	53		
Walla Walla, Wash.	58	77	56	73	54	69	51	65	48	60	45	55	42	50	40	46	38	43	36	40	34	36		
Washington, D. C.	68	71	64	68	60	64	56	60	52	56	48	52	44	49	41	46	38	43	35	40	33	37		
Wichita, Kans.	64	77	61	74	58	70	54	66	56	61	45	56	40	51	38	46	34	43	32	41	30	37		
Williston, N. Dak.	50	68	46	64	42	59	38	54	34	48	30	41	24	34	19	28	16	24	13	20	17	14		
Wilmington, N. C.	73	75	70	73	67	70	63	67	54	64	58	61	58	58	50	55	47	53	45	51	48	46		
Winnemucca, Nev.	50	77	47	73	44	69	41	65	38	60	35	55	32	50	30	46	28	42	26	39	24	35		
Yankton, S. Dak.	59	...	56	...	53	...	48	...	43	...	38	...	33	...	29	...	26	...	23	...	20	...		
Yuma, Ariz.	74	97	73	95	68	91	64	87	61	83	58	79	55	75	53	71	51	68	49	66	48	63		
<i>Canadian stations.</i>																								
St. Johns, N. F.	58	58	56	51	53	49	50	47	47	45	44	43	41	40	38	37	35	34	32	30	28	26		
Sydney, C. B. I.	61	57	59	55	56	52	53	49	48	46	44	43	40	40	37	37	34	31	28	26	23	26		
Halifax, N. S.	61	59	59	57	56	54	52	51	48	48	44	44	40	42	37	39	34	36	31	33	28	30		
Chatham, N. B.	58	58	55	55	51	53	47	48	46	43	44	39	36	35	36	31	33	28	26	21	18	17		
Farther Point, Que.	52	51	50	49	47	46	44	43	41	40	37	37	33	34	29	30	25	26	22	16	18	15		
Quebec, Que.	55	59	53	56	49	52	45	48	41	44	37	40	33	35	29	30	24	26	19	22	15	16		
Montreal, Que.	59	61	56	58	53	54	48	50	44	46	39	42	34	37	30	32	26	28	24	21	15	16		
Bissell, Ont.	53	57	50	54	46	50	42	46	38	42	34	38	30	34	28	30	22	25	17	20	13	14		
White River, Ont.	48	56	45	52	42	48	38	44	31	39	29	33	24	27	19	22	14	18	9	14	5	8		
Saugeen, Ont.	59	61	57	58	53	54	49	50	45	46	41	42	38	39	35	36	32	33	29	30	28	26		
Parry Sound, Ont.	57	61	54	58	50	54	46	50	42	46	38	42	34	38	30	34	27	30	24	27	21	21		
Port Arthur, Ont.	51	58	48	55	45	51	41	47	37	43	32	38	27	32	27	29	19	23	15	20	12	14		
Winnipeg, Man.	49	60	46	56	42	52	38	47	34	41	28	31	22	27	17	21	13	17	9	11	1	5		
Minnedosa, Man.	46	59	43	55	40	50	36	45	32	40	26	38	20	26	16	19	12	15	8	11	4	5		
Qu'Appelle, Assin.	46	61	43	57	39	52	35	47	31	41	28	31	21	27	17	21	14	17	11	14	8	6		
Medicine Hat, Assin.	48	66	45	62	42	58	39	51	35	49	30	42	26	35	29	29	19	25	17	22	15	17		
Swift Current, Assin.	46	68	43	59	40	55	36	50	32	44	28	33	23</td											

TABLE I.—Annual climatological summary, Weather Bureau Stations, 1901.

Districts and stations.	Elevation of barometer above sea level.	Pressure in inches. <sup>t</sup>				Temperature of the air, in degrees Fahrenheit.						Precipitation.			Winds.									
		Mean actual, 8 a.m. + 8 p.m. + 2.		Mean reduced.		Departure from normal.			Mean maximum. + mean min. + 2.			Mean temperature of the dew-point.			Total movement, miles.									
		Mean	Reduced.	Mean	Reduced.	Departure	from	normal.	Maximum.	Minimum.	Mean	minimum.	Annual range.	Total,	in inches.	Departure	from	normal.	Days with 0.1 or more.	Miles per hour.	Max. velocity.			
<i>New England.</i>																								
Eastport, Me.	76	29.86	29.95	-0.01	42.3	+0.8	-0.2	98	49	-15	35	108	86	78	43.97	+ 0.41	153	96,128	s.w.	54	e.			
Portland, Me.	108	29.83	29.93	-0.05	45.2	+0.5	-0.5	96	52	-11	36	107	86	75	48.82	+ 8.57	143	82,814	n.w.	53	se.			
Northfield, Vt.	876	29.09	29.99	-0.03	41.6	+0.4	-0.4	96	52	-24	32	100	40	74	48.72	+ 6.56	146	76,588	s.w.	48	n.w.			
Boston, Mass.	125	29.84	29.98	-0.01	49.0	+0.4	-0.4	97	56	-1	42	100	40	74	48.72	+ 3.78	125	98,735	s.w.	60	ne.			
Nantucket, Mass.	12	29.96	29.97	-0.05	48.6	+0.2	-0.2	86	54	-18	44	84	43	81	32.88	+ 7.85	145	132,388	s.w.	68	e.			
Block Island, R. I.	26	29.95	29.98	-0.04	48.2	-0.9	-0.9	86	54	-1	43	84	43	80	47.26	+ 8.07	120	152,883	n.w.	81	ne.			
Narragansett, R. I.					47.7	-0.9	-0.9	86	54	-1	43	84	43	80	48.48	+ 0.98	113			198	55			
New Haven, Conn.	106	29.97	29.98	-0.03	49.1	-0.3	-0.3	97	57	-1	41	98	40	75	52.61	+ 4.70	128	82,836	s.w.	45	ne.			
<i>Middle Atlantic States.</i>					53.2	-0.2	-0.2	99	57	-7	40	106	39	74	42.54	+ 1.21	139	67,625	s.	46	se.			
Albany, N. Y.	97	29.89	30.00	-0.01	48.1	+0.8	-0.8	99	57	-8	38	104	40	75	40.58	+ 2.67	139	56,842	w.	35	sw.			
Binghamton, N. Y.	875				46.6	+0.2	-0.6	98	55	-7	48	104	40	75	35.77	+ 1.51	163	72,267	n.w.	72	ne.			
New York, N. Y.	314	29.66	30.00	-0.04	53.3	-0.6	-0.6	99	59	4	46	95	41	70	47.06	+ 8.26	133	66,309	n.w.	40	w.			
Harrisburg, Pa.	374				51.9	-0.4	-0.4	100	60	7	47	98	43	74	39.81	+ 14.25	110	95,319	s.w.	48	ne.			
Philadelphia, Pa.	117	29.89	30.01	-0.04	58.8	+0.4	-0.4	103	61	6	46	95	43	71	45.54	+ 5.70	126	66,398	s.w.	93	sw.			
Scranton, Pa.	805	29.14	30.02	-0.02	48.6	-0.2	-0.2	98	57	-5	40	103	39	74	39.26	+ 1.43	128	97,161	s.w.	93	ne.			
Atlantic City, N. J.	52	29.95	30.01	-0.02	51.4	-0.5	-0.5	96	58	7	45	98	45	80	38.83	+ 6.88	111	100,107	s.w.	60	ne.			
Baltimore, Md.	123	29.88	30.01	-0.04	54.4	-0.8	-0.8	108	62	11	46	92	44	73	43.04	+ 0.91	113	47,049	w.	32	ne.			
Washington, D. C.	112	29.90	30.02	-0.04	54.1	-0.6	-0.6	102	63	7	45	95	41	73	41.75	+ 1.71	110	63,629	n.w.	30	sw.			
Cape Henry, Va.					57.7	-1.0	-1.0	101	65	17	51	84	44	72	50.66	+ 1.68	127	118,774	s.	70	ne.			
Lynchburg, Va.	681	29.28	30.01	-0.05	55.7	-1.2	-1.2	97	66	8	46	89	44	72	46.81	+ 11.96	111	39,147	n.w.	34	ne.			
Norfolk, Va.	91	29.98	30.03	-0.03	58.5	-0.5	-0.5	100	66	16	51	84	49	76	42.61	+ 9.47	121	84,457	s.	46	ne.			
Richmond, Va.	144				57.2	-0.2	-0.2	99	66	9	48	90	40	76	42.05	+ 0.05	116	49,021	n.	35	sw.			
<i>South Atlantic States.</i>					62.4	-1.5	-1.5	98	68	10	49	85	46	74	50.69	+ 0.68	124	60,311	s.e.	40	s.			
Charlotte, N. C.	773	29.21	30.03	-0.03	58.6	-1.3	-1.3	95	68	10	49	85	46	70	62.82	+ 10.90	124			155	90	120	4.9	1.0
Hatteras, N. C.	11				62.4	-0.2	-0.2	98	68	10	49	85	46	73	62.64	+ 16.55	120	55,867	s.w.	31	sw.			
Raleigh, N. C.	876	29.65	30.05	-0.02	58.7	-0.4	-0.4	98	68	10	49	85	46	73	62.64	+ 16.55	120	162,101	s.e.	47	sw.			
Wilmington, N. C.	78	29.96	30.05	-0.01	61.4	-1.6	-1.6	95	70	16	58	79	53	75	54.14	+ 0.30	115	75,495	s.e.	40	sw.			
Charleston, S. C.	48	30.00	30.05	-0.01	64.2	-1.6	-1.6	96	71	21	57	75	54	75	52.70	+ 24.04	128	91,470	s.	50	se.			
Columbia, S. C.	351				61.7	-2.0	-2.0	100	72	16	57	84	54	75	51.23	+ 3.67	127			152	148	85	4.9	6.3
Augusta, Ga.	180	29.84	30.03	-0.01	62.2	-1.7	-1.7	99	72	13	52	88	51	72	50.94	+ 2.62	113	55,294	n.w.	46	ne.			
Savannah, Ga.	65	29.97	30.03	-0.04	65.0	-1.4	-1.4	97	73	18	57	79	54	76	58.84	+ 15.07	111	67,874	s.w.	39	se.			
Jacksonville, Fla.	43	29.99	30.04	-0.00	67.0	-2.0	-2.0	76	20	58	77	57	77	75	54.23	+ 0.10	124	70,584	n.w.	61	s.			
<i>Florida Peninsula.</i>					72.4	-1.7	-1.7	73.8	20	58	78	57	78	75	51.72	+ 1.94	124			155	90	120	4.7	0.0
Jupiter, Fla.	28	29.98	30.01	-0.02	72.8	-1.0	-1.0	92	79	38	68	51	64	78	76.08	+ 18.10	146	90,498	s.e.	49	n.			
Key West, Fla.	32	29.99	30.01	+0.01	74.7	-2.4	-2.4	99	79	50	70	89	66	77	87.03	+ 1.44	108	88,473	s.e.	48	w.			
Tampa, Fla.	34	29.99	30.03	-0.01	70.0	-1.6	-1.6	94	78	24	62	70	60	78	42.06	+ 10.84	121	55,307	s.e.	43	se.			
<i>East Gulf States.</i>					64.3	-1.3	-1.3	102	78	12	57	98	86	78	59.77	+ 0.94	125	96,615	n.w.	56	sw.			
Atlanta, Ga.	1,174	28.81	30.05	-0.03	59.4	-0.8	-0.8	98	68	6	50	93	47	73	55.63	+ 9.39	125			148	181	86	4.8	4.4
Macon, Ga.	370				61.9	-1.0	-1.0	101	72	11	52	90	40	78	49.77	+ 4.03	111	56,128	n.w.	45	sw.			
Pensacola, Fla.	56				66.6	-1.0	-1.0	103	74	17	60	86	40	78	52.12	+ 4.97	105	88,337	s.e.	70	sw.			
Mobile, Ala.	57	29.98	30.04	-0.00	66.4	-1.3	-1.3	102	74	16	57	86	54	75	53.84	+ 0.27	113	67,103	s.e.	60	se.			
Montgomery, Ala.	228	29.81	30.05	-0.01	63.7	-1.5	-1.5	105	74	12	54	93	51	70	52.24	+ 0.48	98	57,840	s.	36	sw.			
Meridian, Miss.	375				62.0	-2.0	-2.0	104	78	10	51	94	44	78	47.63	+ 9.36	101	47,980	s.w.	44	ne.			
Vicksburg, Miss.	247	29.76	30.03	-0.02	64.6	-0.7	-0.7	100	74	13	55	87	52	70	57.57	+ 1.91	97	59,428	s.e.	42	sw.			
New Orleans, La.	51	29.98	30.04	+0.02	68.2	-0.6	-0.6	103	76	23	60	79	57	74	57.73	+ 2.79	104	74,399	s.e.	49	ne.			
<i>West Gulf States.</i>					65.3	+0.6	+0.6	101	72	11	52	90	40	71	51.82	+ 11.53	125			157	181	73	4.5	0.0
Shreveport, La.	249	29.77	30.03	-0.01	65.1	-0.1	-0.1	107	75	14	55	93	53	71	58.65	+ 11.95	87	59,449	s.e.	38	se.			
Fort Smith, Ark.	457	29.53	30.02	+0.01	62.0	-2.2	-2.2	106	73	6	51	100	49	70	52.77	+ 21.97	74	74,678	s.e.	52	sw.			
Little Rock, Ark.	357	29.66	30.05	-0.01	61.9	-0.4	-0.4	106	72	6	52	100	49	70	58.81	+ 16.83	88	64,387	n.w.	48	ne.			
Corpus Christi, Tex.	18	29.98	30.00	-0.01	70.7	-0.6	-0.6	98	77	20	64	78	62	78	77.50	+ 13.70	72	102,577	s.e.	46	ne.			
Fort Worth, Tex.	670	29.29	29.99	-0.08	65.9	-0.8	-0.8	108	77	9	55	99	48	82	19.65	+ 0.08	60	100,962	s.e.	58	w.			
Galveston, Tex.	54	29.94	29.99	-0.03	69.3	-0.6	-0.6	98	74	25	64	73	62	81	51.83	+ 2.65	64	104,256	s.e.	48	sw.			
Palestine, Tex.	510	29.48	30.02	-0.03	65.7	-0.5	-0.5	101	75	13	56	88	54	73	41.22	+ 5.29	64	64,970	s.e.	48	n.w.			
San Antonio, Tex.	701	29.36	29.99	-0.01	69.7	-1.2	-1.2	103	81	15	58	88	53	85	16.44	+ 13.26	71	66,508	s.e.	48	sw.			
<i>Ohio Valley and Tenn.</i>					55.2	-0.8	-0.8	94	60	-6	57	100	40	82	35.68	+ 9.57	114	61,307	s.w.	55	sw.			
Chattanooga, Tenn.	762	29.26	30.07	-0.00	58.4	-1.5	-1.5	98	55	4	49	95	45	88	58.44	+ 0.54	114	61,307	s					

TABLE I.—*Annual climatological summary, Weather Bureau stations, 1901—Continued.*

Districts and stations.	Elevation of barometer above sea level.	Pressure in inches.†			Temperature of the air, in degrees Fahrenheit.						Mean temperature of the dew-point.	Precipitation.			Winds.			Cloudy days.	Average cloudiness, tenths.	Total snowfall, in inches.‡						
		Mean actual, 8 a.m. + 8 p.m. + 2.		Mean reduced.	Departure from normal.	Mean max. + 2.	Mean min. + 2.	Mean maximum.	Mean minimum.	Annual range.		Total, in inches.	Departure from normal.	Days with 0.1 or more.	Total movement, miles.	Prevailing direction.	Max. velocity.									
		Mean	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.		Days	Hour.	Miles.	Direction.	Clear days.										
<i>Upper Miss. Val.—Con.</i>																										
La Crosse, Wis.	714	29.35	30.01	-0.02	47.0	+1.0	104	56	-23	88	127	...	34.93	+ 4.25	108	60,397	s.	44	w.	127	188	100	5.0	48.2		
Davenport, Iowa	608	29.35	30.01	-0.02	50.2	+1.0	106	59	-13	41	119	39	71	-16.39	90	67,015	w.	36	w.	185	85	100	4.2	30.6		
Des Moines, Iowa	861	29.10	30.03	+0.02	50.6	+2.1	109	61	-18	40	127	40	72	19.77	76	68,888	n.w.	42	sw.	138	147	85	4.9	51.9		
Dubuque, Iowa	698	29.26	30.08	+0.01	48.6	+1.0	108	58	-17	39	123	37	70	20.39	96	67,010	n.w.	39	nw.	147	116	102	4.8	39.0		
Keokuk, Iowa	614	29.35	30.01	-0.01	52.8	+1.4	108	62	-12	44	120	41	71	22.54	79	68,873	sw.	38	sw.	186	98	81	3.9	8.9		
Cairo, Ill.	356	29.66	30.05	+0.01	57.6	-0.1	106	67	-4	49	110	46	71	-11.15	90	70,826	s.	48	w.	139	183	98	4.8	4.2		
Springfield, Ill.	644	29.34	30.04	.00	52.7	+0.4	107	62	-11	43	118	40	68	25.51	101	81,165	n.w.	48	sw.	149	107	109	4.9	11.0		
Hannibal, Mo.	534	29.42	30.08	-0.01	54.0	+1.5	108	64	-18	44	126	39	72	19.72	91	78,529	s.w.	52	s.	165	82	84	4.8	11.0		
St. Louis, Mo.	567	29.42	30.08	-0.01	57.4	+1.8	107	66	-10	48	117	43	65	24.90	82	84,482	s.	53	sw.	181	84	100	4.3	17.1		
<i>Missouri Valley.</i>																										
Columbia, Mo.	784	29.01	30.04	+0.03	55.1	-0.1	111	67	-23	49	134	...	91.35	-18.58	82	78,298	n.w.	48	w.	162	86	117	4.8	9.7		
Kansas City, Mo.	963	29.01	30.04	+0.03	55.9	+2.7	106	65	-8	46	114	41	64	24.76	79	72,768	s.	40	sw.	172	92	101	4.3	30.0		
Springfield, Mo.	1,384	29.63	30.03	.00	56.7	-1.8	106	66	-11	47	117	47	67	14.00	70	90,008	se.	45	w.	198	109	58	8.7	9.1		
Topeka, Kans.	567	29.26	30.08	+0.01	55.3	-1.5	106	66	-8	45	114	...	25.98	-8.42	81	...	...	...	181	165	59	4.4	30.8			
Lincoln, Nebr.	1,189	28.72	29.99	-0.04	52.8	+2.2	106	68	-13	42	119	39	67	22.08	42	96,729	se.	60	n.	170	115	80	4.3	29.1		
Omaha, Nebr.	1,105	28.82	30.00	-0.05	52.1	+2.5	105	62	-16	42	121	40	70	26.08	66	66,311	...	144	128	98	4.8	31.0				
Valentine, Nebr.	2,558	27.25	29.98	-0.06	48.2	+1.9	104	61	-34	38	198	34	67	34.84	89	91,343	n.w.	58	sw.	181	116	68	4.1	30.0		
Sioux City, Iowa	1,185	28.99	30.00	-0.03	49.4	+2.4	106	59	-23	40	128	36	59	26.59	101	110,223	n.w.	58	sw.	160	107	89	4.4	27.1		
Pierre, S. Dak.	1,573	28.93	30.00	-0.03	49.4	+4.0	108	61	-19	88	127	33	60	17.04	107	106,206	se.	49	nw.	154	105	106	4.6	17.8		
Huron, S. Dak.	1,306	28.60	30.02	-0.02	48.2	+3.9	108	58	-22	34	130	34	70	21.98	96	108,724	se.	53	nw.	158	62	61	4.6	10.9		
<i>Northern Slope.</i>																										
Havre, Mont.	2,505	27.82	29.98	-0.03	44.2	+3.1	107	57	-25	88	123	34	72	15.08	94	84,761	sw.	50	sw.	182	69	124	4.6	32.6		
Missoula, Mont.	2,871	27.44	29.94	-0.08	47.9	+3.7	111	60	-24	38	135	40	84	18.90	70	119	n.w.	60	nw.	195	122	48	8.8	12.2		
Helena, Mont.	4,110	26.79	30.00	-0.03	45.2	+2.1	97	54	-12	36	109	29	58	14.71	74	66,551	sw.	56	sw.	125	160	60	5.0	44.8		
Kalispell, Mont.	2,965	26.93	30.03	+0.01	48.3	+3.8	91	53	-5	38	96	32	70	12.55	121	47,860	w.	40	sw.	189	110	116	5.0	37.8		
Rapid City, S. Dak.	3,224	26.59	29.94	-0.07	48.1	+2.1	101	60	-24	36	125	34	64	22.35	88	70,201	w.	48	s.	194	118	68	4.0	14.1		
Cheyenne, Wyo.	6,088	28.99	29.99	-0.02	45.6	+1.2	95	58	-23	33	117	28	57	14.99	94	206	n.w.	66	w.	156	148	66	4.3	54.1		
Lander, Wyo.	5,372	24.68	30.03	.00	44.2	+1.8	99	59	-36	30	135	29	64	12.82	67	37,247	sw.	42	w.	132	167	66	4.6	72.8		
North Platte, Nebr.	2,821	27.08	30.03	+0.01	50.5	+2.6	102	63	-30	38	182	37	65	16.44	73	79,657	se.	53	nw.	158	146	61	4.6	27.8		
<i>Middle Slope.</i>																										
Denver, Colo.	5,291	24.71	29.99	.00	51.8	+2.2	100	65	-19	38	119	31	54	9.10	-5.89	66	72,262	sw.	61	sw.	177	128	60	4.0	44.8	
Pueblo, Colo.	4,685	25.27	29.97	-0.01	52.0	+0.9	108	67	-23	37	126	31	54	11.86	69	59,885	n.w.	50	n.	170	158	37	4.1	21.6		
Concordia, Kans.	1,398	28.53	30.02	-0.02	54.3	+2.1	104	65	-20	43	114	42	70	18.27	74	67,984	s.	39	sw.	158	123	84	4.4	31.9		
Dodge, Kans.	2,509	27.38	29.98	-0.02	55.6	+2.5	104	64	-11	42	115	40	67	16.06	-3.78	88	91,329	se.	56	se.	194	121	50	4.1	17.1	
Wichita, Kans.	1,398	28.59	30.03	+0.03	57.3	+1.9	104	68	-8	46	110	41	63	27.47	-1.80	76	78,672	s.	52	nw.	183	100	82	4.0	14.7	
Oklahoma, Okla.	1,214	28.72	30.01	+0.01	60.3	+1.4	104	71	-2	49	108	44	62	16.74	-1.88	56	91,061	se.	48	nw.	157	123	85	4.6	2.3	
<i>Southern Slope.</i>																										
Amarillo, Tex.	1,788	28.18	29.98	-0.08	65.0	+1.6	108	76	9	54	94	46	58	15.71	-9.81	51	82,041	se.	60	w.	160	124	81	4.5	4.0	
Amarillo, Tex.	8,076	26.24	29.98	-0.03	56.1	+1.3	97	68	-1	44	98	60	24	6.28	+ 6.28	68	188,029	se.	80	nw.	190	118	57	3.8	7.2	
<i>Southern Plateau.</i>																										
El Paso, Tex.	3,762	26.16	29.94	-0.01	64.2	+0.8	108	78	19	51	84	34	42	8.08	-6.65	51	98,768	n.w.	74	w.	190	139	36	3.3	0.8	
Santa Fe, N. Mex.	7,018	28.27	29.98	-0.01	49.9	+1.6	98	60	1	39	88	30	53	17.41	+ 8.16	105	59,635	se.	43	se.	225	114	26	3.1	38.8	
Flagstaff, Ariz.	6,907	28.34	30.07	.00	46.8	+0.9	92	61	-4	32	98	38	37	21.48	-0.78	88	...	140	125	100	...	124.5				
Phoenix, Ariz.	1,108	28.78	29.88	-0.08	70.6	+1.5	112	85	24	56	88	37	47	-8.87	-2.08	29	37,794	e.	88	ne.	228	88	44	2.8	0.0	
Yuma, Ariz.	141	29.71	29.86	-0.04	72.2	0.0	114	87	24	58	90	41	40	3.85	+ 0.68	10	56,658	n.	42	n.	314	88	13	1.1	0.0	
Independence, Cal.	8,910	25.96	29.90	-0.04	58.7	+0.1	101	71	11	44	91	44	75	8.19	-0.81	71	48,649	se.	38	sw.	284	125	6	2.5	8.5	
<i>Middle Plateau.</i>																										
Carson City, Nev.	4,720	25.27	30.02	+0.08	49.9	+0.5	97	64	-8	36	105	33	59	10.64	-4.51	108	51,615	s.	38	sw.	186	96	88	3.9	20.2	
Winnemucca, Nev.	4,344	25.68	30.01	+0.01	48.6	0.0	99	63	-5	35	104	28	51	8.79	+ 0.25	68	79,588	w.	70	s.	150	74	141	3.2	25.8	
Modena, Utah	5,479	24.60	30.04	.	49.3	.	98	65	-12	34	110	24	48	9.30	.	54	...	60,908	w.	60	sw.	208	86	76	3.2	50.9
Salt Lake City, Utah	4,366	25.61	30.00	-0.08	58.8	+2.0	101	68	-10	39	89	35	65	16.59	-2.26	118	48,939	s.	58							

TABLE II.—Annual climatological summary, Canadian stations, 1901:

Stations.	Pressure.*		Temperature.			Precipitation		Total depth of snow-fall, †			
	Mean not reduced.	Mean reduced.	Departure from normal.	Mean.	Departure from normal.	Mean maximum.	Mean minimum.				
St. Johns, N. F.	29.71	29.86	In. Ins.	o	42.5	+2.0	49.2	35.7	45.54	+ 9.73	36.1
Sydney, C. B. I.	29.88	29.92	-0.1	44.6	+3.3	52.7	86.6	54.67	+ 9.33	87.2	
Halifax, N. S.	29.83	29.94	-0.2	46.2	+3.4	54.8	85.8	52.81	+ 8.37	77.8	
Grand Manan, N. B.	29.88	29.98	-0.5	48.9	+1.1	50.8	37.0	49.34	+ 4.72	57.8	
Yarmouth, N. S.	29.88	29.96	-0.2	44.8	+1.6	51.7	87.8	56.67	+ 10.85	71.0	
Charlottetown, P. E. I.	29.87	29.91	-0.4	44.5	+3.5	52.5	86.4	50.38	+ 9.98	57.9	
Chatham, N. B.	29.90	29.92	-0.4	41.9	+3.2	51.8	32.0	38.98	+ 2.23	98.8	
Father Point, Que.	29.88	29.91	-0.4	36.4	+1.6	44.2	28.2	32.03	+ 3.18	94.1	
Quebec, Que.	29.61	29.98	-0.3	40.3	+2.1	48.2	32.3	45.96	+ 1.38	129.7	
Montreal, Que.	29.75	29.98	-0.2	48.0	+1.5	50.2	35.7	46.19	+ 7.88	62.8	
Bissett, Ont.	29.88	30.00	+0.8	88.6	-0.4	51.2	26.0	26.70	+ 2.85	82.8	
Ottawa, Ont.	29.66	29.98	.00	42.8	+2.8	59.8	33.8	31.31	+ 0.45	79.1	
Kingston, Ont.	29.66	29.98	.00	44.4	+1.8	52.0	88.9	85.38	+ 1.41	64.3	
Toronto, Ont.	29.61	29.99	-0.8	46.0	+1.8	54.5	37.6	32.18	+ 1.44	64.6	
White River, Ont.	29.65	30.08	.00	38.8	+1.8	47.3	19.3	27.28	+ 3.69	91.0	
Port Stanley, Ont.	29.86	30.00	-0.2	45.6	+0.9	54.2	36.1	39.50	+ 1.67	78.4	
Saugeen, Ont.	29.27	30.00	.00	44.2	+1.8	52.2	36.3	35.96	+ 1.58	190.3	
Parry Sound, Ont.	29.28	29.99	-0.1	42.2	+2.0	52.2	32.2	50.30	+ 12.98	145.7	
Port Arthur, Ont.	29.29	30.00	.00	56.1	+1.7	45.8	26.4	22.51	+ 1.53	19.2	
Winnipeg, Man.	29.30	30.05	+0.8	86.8	+3.2	48.1	24.6	23.90	+ 0.45	85.5	
Minnedosa, Man.	28.16	30.01	+0.1	36.3	+4.7	47.7	24.9	19.98	+ 2.22	49.9	
Qu'Appelle, Assin.	27.68	29.97	-0.3	36.8	+3.0	46.6	26.7	27.91	+ 12.97	126.9	
Medicine Hat, Assin.	27.66	29.97	-0.1	42.9	+2.6	54.7	31.0	21.28	+ 10.51	71.1	
Swift Current, Assin.	27.37	29.98	-0.8	40.1	+2.6	50.5	29.8	19.40	+ 3.55	82.9	
Calgary, Alberta.	26.35	29.91	-0.8	89.2	+2.0	50.9	27.4	22.31	+ 9.03	71.6	
Banff, Alberta.	25.31	30.01	.00	36.5	+1.8	47.2	25.9	19.25	+ 1.50	77.1	
Edmonton, Alberta.	27.00	29.92	-0.6	89.0	+3.4	49.7	26.4	27.53	+ 13.72	61.4	
Prince Albert, Sask.	28.87	29.95	-0.8	34.1	+3.6	45.2	23.0	18.06	+ 4.88	48.6	
Battleford, Sask.	28.21	29.98	-0.0	85.7	+3.0	46.6	24.8	16.57	+ 3.96	31.3	
Kamloops, B.C.	28.71	29.99	-0.1	49.0	+0.9	58.6	37.8	9.04	+ 2.04	92.0	
Victoria, B.C.	29.94	30.04	+0.3	49.8	+1.3	55.4	44.8	26.12	+ 7.88	7.0	
Barkerville, B.C.	25.59	29.94	.00	86.6	+0.4	47.6	26.5	35.75	+ 8.93	174.0	
Hamilton, Bermuda	29.87	30.03	-0.03	70.4	+0.7	75.9	64.9	63.67	+ 0.63	0.0	

\* Reduced to standard gravity. † For the snow year, July 1, 1900, to June 30, 1901.

TABLE III.—Reduction data for 1901—Continued.

Stations.	Elevation.								Stations.	Elevation.							
	2	3	4	5	6	7	8	9		2	3	4	5	6	7	8	9
1	2	3	4	5	6	7	8	9	Ohio Valley and Tennessee.	Feet.	Inches.	° F.	° F.	° F.	Inchis.	° F.	Inches.
New England.	Feet.	Inches.	° F.	° F.	° F.	° F.	° F.	° F.	Chattanooga, Tenn.	763	29.26	58.4	45	59.2	30.07	60.0	29.84
Eastport, Me.	76	29.86	42.3	36	42.4	39.95	42.5	20.49	Knoxville, Tenn.	1,004	28.99	56.2	45	57.3	30.06	58.2	20.81
Portland, Me.	103	29.88	45.2	36	45.3	29.98	45.4	20.52	Memphis, Tenn.	397	29.63	61.4	49	61.8	30.06	62.2	20.88
Northfield, Vt.	876	29.03	41.6	34	43.5	29.99	44.4	20.53	Nashville, Tenn.	516	29.48	58.0	45	58.5	30.07	59.0	20.84
Boston, Mass.	125	29.84	49.0	40	49.1	29.98	49.2	20.62	Louisville, Ky.	525	29.47	56.2	44	56.7	30.04	57.2	20.79
Nantucket, Mass.	12	29.98	48.6	43	48.6	29.97	48.6	20.61	Indianapolis, Ind.	523	29.15	52.0	41	52.8	30.04	58.6	20.72
Block Island, R. I.	28	29.95	48.2	42	48.3	29.98	48.6	20.61	Columbus, Ohio.	628	29.36	54.0	43	54.6	30.04	55.2	20.72
New Haven, Conn.	106	29.37	49.1	40	49.2	29.98	49.3	20.62	Pittsburg, Pa.	843	29.11	52.6	41	53.4	30.03	54.2	20.72
Middle Atlantic.									Parkersburg, W. Va.	688	29.37	53.0	44	53.6	30.06	54.2	20.75
Albany, N. Y.	97	29.89	48.5	39	48.6	30.00	48.7	20.63	Lower Lakes.	767	29.16	47.6	39	48.3	29.99	49.0	20.61
New York, N. Y.	314	29.68	52.8	41	52.6	30.00	52.9	20.63	Buffalo, N. Y.	835	29.61	46.0	38	46.8	29.98	46.6	20.57
Philadelphia, Pa.	117	29.89	58.8	43	53.9	30.01	54.0	20.71	Oswego, N. Y.	523	29.42	47.1	39	47.6	29.98	48.1	20.60
Atlantic City, N. J.	53	29.98	51.4	45	51.0	30.01	53.0	20.69	Rochester, N. Y.	718	29.28	48.2	41	48.9	30.00	49.6	20.63
Baltimore, Md.	123	29.88	54.4	44	54.5	30.01	54.6	20.73	Cleveland, Ohio.	763	29.19	48.7	39	49.4	30.01	50.1	20.65
Washington, D. C.	112	29.90	54.1	44	54.2	30.02	54.4	20.73	Sandusky, Ohio.	629	29.83	49.8	40	50.5	30.01	50.5	20.66
Lynchburg, Va.	681	29.28	55.7	44	56.4	30.01	57.1	20.78	Toledo, Ohio.	628	29.34	48.9	39	49.6	30.02	50.4	20.66
Norfolk, Va.	91	29.98	58.5	49	58.6	30.03	58.7	20.81	North Dakota.	730	29.21	48.0	39	48.7	30.00	49.4	20.63
South Atlantic.									Moorehead, Minn.	935	29.99	41.5	34	42.4	30.02	48.3	20.54
Charlotte, N. C.	773	29.21	58.6	46	58.4	30.03	60.2	20.83	Bismarck, N. Dak.	1,674	28.23	48.0	31	44.4	30.03	47.5	20.58
Raleigh, N. C.	876	29.65	58.7	46	59.1	30.05	59.5	20.83	Williston, N. Dak.	1,675	27.98	41.6	32	42.6	30.00	44.5	20.53
Wilmington, N. C.	78	29.98	61.4	53	61.5	30.05	61.6	20.87	Upper Mississippi Valley.								
Charleston, S. C.	48	30.00	64.2	54	64.3	30.05	64.4	20.92	Kalispell, Idaho.	609	29.38	42.5	36	43.1	30.01	48.7	20.55
Augusta, Ga.	180	29.84	62.2	51	62.4	30.03	62.6	20.81	Rapid City, S. Dak.	623	29.31	42.9	34	43.4	30.01	48.5	20.53
Savannah, Ga.	68	29.97	65.0	54	65.1	30.03	65.2	20.91	Cheyenne, Wyo.	608	29.32	46.2	38	46.8	30.08	47.4	20.62
Jacksonville, Fla.	48	29.99	67.0	57	67.0	30.04	67.0	20.95	Lander, Wyo.	592	29.30	44.1	32	44.2	30.00	48.6	20.60
Florida Peninsula.									North Platte, Nebr.	572	27.06	50.5	37	52.2	30.08	56.0	20.72
Jupiter, Fla.	28	29.98	72.6	64	72.6	30.01	72.6	21.01	Denver, Colo.	521	27.93	44.2	34	46.1	29.97	48.6	20.57
Key West, Fla.	23	29.98	74.7	66	74.7	30.01	74.7	21.05	Pueblo, Colo.	4,085	27.44	47.9	40	48.8	29.98	51.2	20.59
Tampa, Fla.	34	29.99	70.0	60	70.0	30.03	70.0	20.99	Concordia, Kans.	1,395	28.83	52.8	39	54.0	30.00	54.2	20.72
East Gulf.									Dodge, Kans.	2,509	28.26	48.1	34	49.1	29.94	52.4	20.60
Atlanta, Ga.	1,174	28.81	59.4	47	60.5	30.05	61.6	20.85	Wichita, Kans.	1,578	28.59	57.8	41	59.0	30.01	52.4	20.60
Mobile, Ala.	57	29.98	65.4	54	65.5	30.04	65.6	20.93	Oklahoma, Okla.	1,214	28.72	60.8	44	61.2	30.00	52.4	20.68
Montgomery, Ala.	223	29.81	68.7	51	68.9	30.05	64.1	20.91	Southern Slope.								
Vicksburg, Miss.	247	29.76	64.6	53	64.9	30.03	65.2	20.91	Abilene, Tex.	1,738	28.18	65.0	46	65.8	29.97	67.5	20.68
New Orleans, La.	51	29.98	68.2	57	68.3	30.04	68.4	20.97	Amarillo, Tex.	8,676	26.24	56.1	38	56.5	29.98	68.2	20.76
West Gulf.									Southern Plateau.								
Shreveport, La.	249	29.77	65.1	53	65.3	30.08	65.5	20.92	El Paso, Tex.	8,762	26.16	64.2	38	66.4	29.98	70.2	20.64
Fort Smith, Ark.	457	29.58	62.0	49	62.5	30.03	63.0	20.87	Santa Fe, N. Mex.	7,013	23.27	49.9	30	52.2	29.97	64.2	20.74
Little Rock, Ark.	357	29.68	61.9	49	62.3	30.05	62.5	20.88	Flagstaff, Ariz.	6,907	28.34	48.8	32	55.7	29.94	65.6	20.75
Corpus Christi, Tex.	18	29.98	69.9	62	69.9	30.00	71.6	20.90	Phoenix, Ariz.	1,108	28.73	70.6	3				

TABLE III.—Reduction data for 1901.—Continued.

Stations.		Elevation.	Mean observed pressure.	Mean observed temperature.	Mean dew-point.	Mean reduction temperature.	Mean pressure reduced to sea level.	Mean temperature reduced to sea level.	Mean pressure at 10,000 feet altitude.
1	2	3	4	5	6	7	8	9	
<i>South Pacific Coast.</i>									
Fresno, Cal.	330	29.61	68.5	42	61.8	29.96	61.6	20.80	
Los Angeles, Cal.	338	29.60	62.1	49	62.1	29.95	62.4	20.81	
San Diego, Cal.	87	29.60	61.2	51	62.7	29.96	62.5	20.85	
San Luis Obispo, Cal.	201	29.60	59.1	46	59.3	30.02	59.5	20.82	
<i>Canadian Stations.</i>									
St. John's, N. F.	125	29.71	42.5	....	42.6	29.86	42.7	20.48	
Sydney, C. B. I.	35	29.88	44.6	....	44.7	29.93	44.8	20.51	
Halifax, N. S.	97	29.88	46.2	....	46.3	29.94	46.4	20.55	
Grand Manan, N. B.	49	29.88	43.9	....	43.9	29.93	43.9	20.50	
Yarmouth, N. S.	65	29.88	44.8	....	44.9	29.98	45.0	20.51	
Charlottetown, P. E. I.	58	29.87	44.5	....	44.5	29.91	44.5	20.60	
Chatham, N. B.	21	29.90	41.9	....	41.9	29.92	41.9	20.46	
Father Point, Que.	20	29.88	36.4	....	36.4	29.91	36.4	20.87	
Quebec, Que.	296	29.61	40.3	....	40.6	29.95	40.9	20.46	
Montreal, Que.	187	29.75	43.0	....	43.2	29.96	43.4	20.51	
Bissell, Ont.	557	29.38	38.6	....	39.1	30.00	39.6	20.48	
Ottawa, Ont.	204	29.66	42.8	....	43.1	29.98	43.4	20.53	
Kingston, Ont.	285	29.86	44.4	....	44.7	29.98	45.0	20.55	
Toronto, Ont.	350	29.61	46.0	....	46.4	29.93	46.7	20.55	
White River, Ont.	1,252	28.65	38.2	....	38.5	30.03	36.9	20.55	
Port Stanley, Ont.	592	29.36	45.6	....	46.2	30.00	46.8	20.59	
Saugeen, Ont.	656	29.27	44.2	....	44.9	30.00	45.6	20.57	
Parry Sound, Ont.	635	29.29	42.2	....	42.8	29.99	43.4	20.52	
Port Arthur, Ont.	644	29.29	38.1	....	38.1	30.00	36.7	20.42	
Winnipeg, Man.	760	29.20	36.3	....	37.1	30.05	37.9	20.47	
Minnedosa, Man.	1,690	28.16	36.3	....	38.8	30.01	40.5	20.47	
Qu'Appelle, Assin.	2,115	27.68	36.3	....	38.6	29.98	40.7	20.47	
Medicine Hat, Assin.	2,161	27.66	42.9	....	44.5	29.97	46.7	20.54	
Swift Current, Assin.	2,440	27.37	40.1	....	41.8	29.98	44.2	20.50	
Calgary, Alberta.	3,889	26.35	39.2	....	42.6	29.91	46.0	20.46	
Banff, Alberta.	4,542	25.31	36.5	....	40.7	30.01	45.8	20.51	
Edmonton, Alberta.	2,158	27.60	39.0	....	42.1	29.93	44.8	20.46	
Prince Albert, Sask.	1,492	28.37	34.1	....	36.4	29.95	37.8	20.35	
Battleford, Sask.	1,620	29.21	35.7	....	37.5	29.98	39.1	20.43	
Kamloops, B. C.	1,193	28.71	48.0	....	46.7	29.99	47.9	20.58	
Victoria, B. C.	85	29.94	49.8	....	49.8	30.04	49.8	20.68	
Barkerville, B. C.	4,180	25.59	36.8	....	39.2	29.94	48.4	20.44	
Hamilton, Bermuda.	151	29.37	70.4	....	70.6	30.03	70.8	31.00	

## MONTHLY WEATHER REVIEW.

TABLE IV.—Resultant winds—Continued.

Stations.	Component direction from—				Resultant.	Component direction from—				Resultant.		
	N.	S.	E.	W.		Direction from—	Duration.	N.	S.	E.	W.	Direction from—
<i>Western Gulf States.</i>												
Shreveport, La.	184	353	286	163	°	s. 52 e.	278	Hours.	Hours.	Hours.	Hours.	Hours.
Fort Smith, Ark.	208	164	338	167	n. 77 e.	175						
Little Rock, Ark.	228	260	191	241	s. 53 w.	68						
Corpus Christi, Tex.	188	381	318	80	s. 78 e.	245						
Fort Worth, Tex.	180	338	219	150	s. 24 e.	175						
Galveston, Tex.	184	317	209	103	s. 59 e.	247						
Palestine, Tex.	207	328	213	128	s. 54 e.	144						
San Antonio, Tex.	214	263	372	61	s. 81 e.	314						
<i>Ohio Valley and Tennessee.</i>												
Chattanooga, Tenn.	281	235	168	288	s. 88 w.	30						
Knoxville, Tenn.	290	196	166	258	n. 45 w.	127						
Memphis, Tenn.	245	251	194	204	s. 59 w.	12						
Nashville, Tenn.	267	223	153	259	n. 68 w.	58						
Lexington, Ky.	87	160	107	128	s. 16 w.	73						
Louisville, Ky.	228	246	170	228	s. 78 w.	59						
Evansville, Ind.	131	118	103	94	n. 35 e.	16						
Indianapolis, Ind.	268	281	150	257	s. 80 w.	112						
Cincinnati, Ohio.	215	227	224	251	s. 66 w.	30						
Columbus, Ohio.	182	238	207	269	s. 50 w.	122						
Pittsburg, Pa.	277	193	123	338	n. 70 w.	224						
Parkersburg, W. Va.	231	238	144	257	s. 87 w.	112						
Elkins, W. Va.	235	207	92	317	s. 88 w.	232						
<i>Lower Lake Region.</i>												
Buffalo, N. Y.	146	289	161	328	s. 63 w.	192						
Oswego, N. Y.	186	312	231	251	s. 25 w.	140						
Rochester, N. Y.	144	278	184	257	s. 48 w.	17						
Erie, Pa.	189	294	180	223	s. 78 w.	194						
Cleveland, Ohio.	195	306	193	218	s. 12 w.	122						
Sandusky, Ohio.	170	238	189	236	s. 61 w.	125						
Toledo, Ohio.	184	235	170	296	s. 69 w.	139						
Detroit, Mich.	230	231	156	290	s. 86 w.	135						
<i>Upper Gulf States.</i>												
Alpena, Mich.	228	188	157	301	n. 78 w.	194						
Escanaba, Mich.	396	223	95	259	n. 49 w.	233						
Grand Haven, Mich.	235	216	194	251	n. 70 w.	60						
Houghton, Mich.	107	66	188	136	s. 2 e.	51						
Marquette, Mich.	243	186	113	266	s. 77 w.	257						
Port Huron, Mich.	245	226	136	289	s. 82 w.	151						
Sault Ste. Marie, Mich.	192	169	276	251	n. 47 e.	34						
Chicago, Ill.	243	215	204	241	s. 54 w.	26						
Milwaukee, Wis.	255	78	166	281	n. 6 w.	181						
Green Bay, Wis.	251	261	132	229	s. 84 w.	100						
Duluth, Minn.	392	117	228	304	s. 24 w.	197						
<i>North Dakota.</i>												
Moorhead, Minn.	260	242	237	181	n. 82 e.	101						
Bismarck, N. Dak.	280	140	254	298	n. 12 e.	143						
Williston, N. Dak.	263	214	153	229	n. 58 w.	94						
<i>Upper Mississippi Valley.</i>												
St. Paul, Minn.	257	237	184	232	n. 87 w.	52						
LaCrosse, Wis.	120	166	58	285	s. 80 w.	58						
Davenport, Iowa.	173	188	241	267	s. 60 w.	30						
Des Moines, Iowa.	256	220	213	218	s. 58 w.	56						
Dubuque, Iowa.	213	247	208	253	s. 53 w.	56						
Keokuk, Iowa.	225	244	190	249	s. 69 w.	54						
Cairo, Ill.	236	278	180	203	s. 29 w.	48						
Springfield, Ill.	228	241	186	247	s. 19 w.	31						
Hannibal, Mo.	107	113	97	127	s. 29 w.	31						
St. Louis, Mo.	216	263	181	201	s. 28 w.	42						
<i>Missouri Valley.</i>												
Columbia, Mo.	110	111	108	108	s. 17 w.	17						
Kansas City, Mo.	253	269	180	188	s. 9 e.	86						
Springfield, Mo.	208	233	189	239	s. 63 w.	90						
Lincoln, Nebr.	248	280	224	239	s. 75 w.	84						
Omaha, Nebr.	251	260	221	188	s. 75 w.	84						
Valentine, Nebr.	241	228	150	259	n. 80 w.	112						
Sioux City, Iowa.	184	126	110	90	n. 68 e.	22						
Pierre, S. Dak.	233	212	266	160	n. 81 e.	183						
Huron, S. Dak.	241	215	228	224	n. 66 e.	47						
<i>Northern Slope.</i>												
Havre, Mont.	194	185	190	260	n. 87 w.	170						
Miles City, Mont.	251	216	169	220	s. 55 w.	63						
Helena, Mont.	135	281	65	446	s. 69 w.	409						

TABLE IV.—*Resultant winds*—Continued.

Stations.	Component direction from—				Resultant.	
	N.	S.	E.	W.	Direction from—	Duration.
<i>Northern Plateau—Cont'd.</i>						
Pocatello, Idaho .....	96	884	171	284	s. 25 w.	2
Spokane, Wash. ....	150	394	211	198	s. 6 e.	3
Walla Walla, Wash. ....	78	477	89	189	s. 14 w.	4
<i>North Pacific Coast Region.</i>						
Neah Bay, Wash. ....	42	211	246	852	s. 38 w.	2
Port Crescent, Wash. ....	9	76	122	204	s. 49 w.	1
Seattle, Wash. ....	182	307	240	160	s. 34 e.	1
Tacoma, Wash. ....	283	297	87	245	s. 69 w.	1
Portland, Oreg. ....	280	259	128	300	s. 80 w.	2
Roseburg, Oreg. ....	308	139	149	257	n. 38 w.	2
<i>Middle Pacific Coast Region.</i>						
Eureka, Cal. ....	985	228	143	292	n. 75 w.	1
Mount Tamalpais, Cal. ....	812	107	97	300	n. 42 w.	2
Red Bluff, Cal. ....	256	228	199	100	n. 72 e.	1
Sacramento, Cal. ....	191	364	282	167	s. 35 e.	1
San Francisco, Cal. ....	114	200	56	487	s. 78 w.	4
<i>South Pacific Coast Region.</i>						
Fresno, Cal. ....	363	70	116	401	n. 44 w.	4
Los Angeles, Cal. ....	168	117	158	404	n. 82 w.	3
San Diego, Cal. ....	310	127	140	243	n. 39 w.	2
San Luis Obispo, Cal. ....	299	138	27	298	n. 59 w.	3
<i>West Indies.</i>						
Basseterre, St. Kitts Island .....	218	68	540	25	n. 74 e.	5
Bridgetown, Barbados .....	287	186	590	11	n. 80 e.	5
Havana, Cuba .....	219	100	487	61	n. 74 e.	4
Kingston, Jamaica .....	557	36	253	36	n. 25 e.	4
Port of Spain, Trinidad .....	142	123	583	42	n. 88 e.	4
Puerto Principe, Cuba .....	835	88	484	80	n. 56 e.	4
Roseau, Dominica, W. I. ....	234	117	474	63	n. 72 e.	4
San Juan, Porto Rico. ....	63	293	474	46	s. 68 e.	4
Santiago de Cuba, Cuba. ....	890	180	254	67	n. 42 e.	4
Willemstad, Curaçao. ....	68	62	654	11	e.	6

\* From observations at 8 p. m. only.

**†** From observations at 8 a. m. only.

TABLE V.—*Total number of days with thunderstorms at selected stations, 1901.*

TABLE V.—*Total number of days with thunderstorms, etc.*—Continued.

State and station.	Temperature in degrees Fahrenheit.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Illinois.												
Cairo .....	1	0	0	0	0	0	7	10	1	1	1	1
Chicago .....	0	0	0	0	0	0	9	10	0	0	0	0
Cisne .....	0	0	0	0	0	0	8	9	0	0	0	0
Peoria .....	0	0	0	0	0	0	7	8	0	0	0	0
Rantoul .....	0	0	0	0	0	0	6	7	0	0	0	0
Springfield .....	0	0	0	0	0	0	5	6	0	0	0	0
Winnebago .....	0	0	0	0	0	0	4	5	0	0	0	0
Indiana.												
Butterville .....	0	0	0	0	0	0	14	16	0	0	0	0
Cambridge City .....	0	0	0	0	0	0	14	16	0	0	0	0
Evansville .....	0	0	0	0	0	0	14	16	0	0	0	0
Huntington .....	0	0	0	0	0	0	14	16	0	0	0	0
Indianapolis .....	0	0	0	0	0	0	14	16	0	0	0	0
Worthington .....	0	0	0	0	0	0	14	16	0	0	0	0
Iowa.												
Davenport .....	0	0	0	0	0	0	9	11	0	0	0	0
Des Moines .....	0	0	0	0	0	0	10	11	0	0	0	0
Dubuque .....	0	0	0	0	0	0	9	10	0	0	0	0
Keokuk .....	0	0	0	0	0	0	9	10	0	0	0	0
Sioux City .....	0	0	0	0	0	0	10	11	0	0	0	0
Kansas.												
Concordia .....	0	0	0	0	0	0	5	6	0	0	0	0
Dodge .....	0	0	0	0	0	0	4	5	0	0	0	0
Topeka .....	0	0	0	0	0	0	4	5	0	0	0	0
Wichita .....	0	0	0	0	0	0	5	6	0	0	0	0
Kentucky.												
Lexington .....	0	0	0	0	0	0	12	13	0	0	0	0
Louisville .....	0	0	0	0	0	0	12	13	0	0	0	0
Louisiana.												
Grand Coteau .....	0	0	0	0	0	0	7	8	0	0	0	0
New Orleans .....	0	0	0	0	0	0	13	14	0	0	0	0
Shreveport .....	0	0	0	0	0	0	13	14	0	0	0	0
Maine.												
Eastport .....	0	0	0	0	0	0	1	2	0	0	0	0
Farmington .....	0	0	0	0	0	0	1	2	0	0	0	0
Orono .....	0	0	0	0	0	0	1	2	0	0	0	0
Portland .....	0	0	0	0	0	0	1	2	0	0	0	0
Maryland.												
Baltimore .....	0	0	0	0	0	0	10	11	0	0	0	0
Grantsville .....	0	0	0	0	0	0	11	12	0	0	0	0
Princess Anne .....	0	0	0	0	0	0	11	12	0	0	0	0
Massachusetts.												
Boston .....	0	0	0	0	0	0	3	4	0	0	0	0
Monson .....	0	0	0	0	0	0	5	6	0	0	0	0
Nantucket .....	0	0	0	0	0	0	5	6	0	0	0	0
New Bedford .....	0	0	0	0	0	0	3	4	0	0	0	0
Pittsfield .....	0	0	0	0	0	0	3	4	0	0	0	0
Michigan.												
Alpena .....	0	0	0	0	0	0	2	3	0	0	0	0
Detroit .....	0	0	0	0	0	0	11	12	0	0	0	0
Escanaba .....	0	0	0	0	0	0	13	14	0	0	0	0
Grand Haven .....	0	0	0	0	0	0	9	10	0	0	0	0
Houghton .....	0	0	0	0	0	0	5	6	0	0	0	0
Lansing .....	0	0	0	0	0	0	11	12	0	0	0	0
Marquette .....	0	0	0	0	0	0	8	9	0	0	0	0
Port Huron .....	0	0	0	0	0	0	6	7	0	0	0	0
Sault Ste. Marie .....	0	0	0	0	0	0	6	7	0	0	0	0
Minnesota.												
Duluth .....	0	0	0	0	0	0	12	13	0	0	0	0
Minneapolis .....	0	0	0	0	0	0	13	14	0	0	0	0
Moo-head .....	0	0	0	0	0	0	12	13	0	0	0	0
Rolling Green .....	0	0	0	0	0	0	5	6	0	0	0	0
St. Cloud .....	0	0	0	0	0	0	12	13	0	0	0	0
St. Paul .....	0	0	0	0	0	0	10	11	0	0	0	0
Mississippi.												
Biloxi .....	1	1	1	1	1	1	4	5	2	2	1	0
Meridian .....	1	1	1	1	1	1	4	5	2	2	1	0
Vicksburg .....	0	0	0	0	0	0	5	6	2	2	1	0
Water Valley .....	0	0	0	0	0	0	3	4	2	2	1	0
Missouri.												
Columbia .....	2	0	0	0	0	0	3	4	2	2	1	0
Hannibal .....	1	0	0	0	0	0	11	12	0	0	0	0
Kansas City .....	1	0	0	0	0	0	10	11	0	0	0	0
St. Louis .....	1	0	0	0	0	0	12	13	0	0	0	0
Springfield .....	0	0	0	0	0	0	4	5	2	2	1	0
Montana.												
Havre .....	0	0	0	0	0	0	1	2	0	0	0	0
Helena .....	1	0	0	0	0	0	0	1	0	0	0	0
Kalispell .....	0	0	0	0	0	0	1	2	0	0	0	0
Miles City .....	0	0	0	0	0	0	1	2	0	0	0	0
Orvando .....	0	0	0	0	0	0	2	3	0	0	0	0
Parrot .....	0	0	0	0	0	0	2	3	0	0	0	0
Nebraska.												
Lincoln .....	0	0	0	0	0	0	1	2	0	0	0	0
North Platte .....	0	0	0	0	0	0	1	2	0	0	0	0
Omaha .....	0	0	0	0	0	0	1	2	0	0	0	0
Valentine .....	0	0	0	0	0	0	17	18	0	0	0	0
Nevada.												
Bethlehem .....	0	0	0	0	0	0	3	4	2	2	1	0
Nashua .....	0	0	0	0	0	0	1	2	0	0	0	0
New Jersey.												
Atlantic City .....	0	0	0	0	0	0	6	7	0	0	0	0
Cape May .....	0	0	0	0	0	0	3	4	0	0	0	0
Somerville .....	0	0	0	0	0	0	6	7	0	0	0	0
New Mexico.												
Roswell .....	0	0	0	0	0	0	3	4	2	2	1	0
Santa Fe .....	0	0	0	0	0	0	5	6	2	2	1	0
New York.												
Albany .....	0	0	0	0	0	0	4	5	2	2	1	0

TABLE V.—*Total number of days with thunderstorms, etc.*—Continued.

State and station.	Temperature												Annual.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
New York—Cont'd.													
Binghamton	0	0	0	0	5	7	9	9	3	1	1	0	0
Buffalo	0	0	0	0	4	6	8	9	2	2	1	0	0
New York	0	0	0	0	3	5	7	7	1	1	1	0	0
Oswego	0	0	0	0	3	6	7	10	0	0	0	0	0
Rochester	0	0	0	0	3	6	7	10	1	1	1	0	0
South Canisteo	0	0	0	0	3	6	7	10	1	1	1	0	0
North Carolina.													
Abshers	1	0	0	0	18	21	16	16	5	6	1	1	1
Charlotte	1	0	0	0	9	11	15	15	2	2	1	1	1
Hatteras	1	0	0	0	4	7	12	14	3	3	0	0	0
Raleigh	0	0	0	0	8	11	10	10	6	6	1	1	1
Wilmington	0	0	0	0	5	7	9	14	4	4	1	1	1
North Dakota.													
Bismarck	0	0	0	0	0	7	11	8	4	4	0	0	0
Dickinson	0	0	0	0	1	1	2	3	1	1	0	0	0
Williston	0	0	0	0	4	7	12	14	5	5	0	0	0
Ohio.													
Cincinnati	0	1	2	0	0	4	13	10	5	0	0	0	0
Cleveland	0	0	2	0	8	11	10	10	6	6	1	1	1
Columbus	0	0	2	0	8	13	10	10	7	7	0	0	0
Sandusky	0	0	1	0	4	9	10	10	5	5	3	1	1
Toledo	0	0	1	0	3	7	10	10	5	5	3	1	1
Oklahoma.													
Beaver	0	0	1	5	0	0	3	1	0	0	0	0	0
Oklahoma.	0	1	3	4	11	6	7	7	2	2	0	2	1
Oregon.													
Astoria	1	0	0	0	0	0	0	0	0	0	1	0	0
Baker City	0	0	0	0	2	4	0	0	1	0	0	0	0
Portland	0	0	0	0	1	0	0	0	0	0	0	0	0
Roseburg	0	0	0	0	1	0	0	0	0	0	0	0	0
Pennsylvania.													
Erie	0	0	1	0	2	4	8	9	2	2	0	0	0
Harrisburg	0	0	1	0	5	7	10	10	4	4	1	0	0
Philadelphia	0	0	2	0	8	13	13	13	5	5	0	0	0
Pittsburg	0	0	0	0	6	8	12	12	5	5	0	0	0
Scranton	0	0	1	0	4	5	8	8	5	5	0	0	0
Wellsboro	0	0	0	0	3	5	6	6	3	3	0	0	0
Rhode Island.													
Block Island	0	0	1	0	2	1	2	5	1	2	0	0	0
Narragansett	0	0	1	0	5	7	10	10	4	4	1	1	1
South Carolina.													
Charleston	0	0	3	3	8	9	11	10	2	2	0	0	0
Columbia	0	0	3	0	10	9	9	12	2	2	1	0	0
South Dakota.													
Huron	0	0	0	0	1	3	17	11	7	6	0	0	0
Pierre	0	0	1	0	4	15	15	15	4	4	1	0	0
Rapid City	0	0	0	0	2	14	14	14	3	3	1	0	0
Tennessee.													
Chattanooga	0	0	5	2	9	18	17	12	5	5	1	1	1
Knoxville	0	0	3	2	6	10	10	10	4	4	0	0	0
Memphis	1	2	4	2	1	6	5	5	7	7	0	0	0
Nashville	1	0	2	2	8	10	10	10	5	5	0	0	0
Texas.													
Abilene	0	2	3	3	11	18	8	8	2	4	3	1	4
Amarillo	0	0	0	0	0	12	10	10	0	0	0	0	1
Corpus Christi	0	0	1	2	2	3	4	4	4	4	2	2	2
El Paso	0	1	0	1	0	2	10	8	5	5	2	1	3
Fort Worth	0	1	5	4	11	14	10	10	5	5	2	2	4
Gulfport	0	1	1	4	2	3	9	9	5	5	1	0	4
Palestine	1	2	4	2	5	8	6	6	4	4	0	0	2
San Antonio	0	0	0	0	5	8	5	5	5	5	1	0	2
Utah.													
Grover	0	0	0	0	1	1	0	0	11	0	0	0	1
Modena	0	0	0	0	1	1	1	1	12	1	0	1	2
Salt Lake City	1	0	0	0	1	1	7	7	11	1	1	1	1
Vermont.													
Northfield	0	0	0	0	0	1	2	6	1	1	0	0	0
Vernon	0	0	0	0	0	2	8	7	1	2	0	0	0
Virginia.													
Cape Henry	0	0	5	2	5	7	11	8	10	5	1	0	4
Dale Enterprise	0	0	3	0	2	4	10	10	5	4	0	0	4
Lynchburg	0	0	3	0	2	5	1	8	10	5	0	0	0
Norfolk	0	0	3	1	1	6	4	6	6	4	0	0	0
Richmond	0	0	3	1	0	10	12	12	4	4	0	0	0
Wytheville	0	0	4	0	10	10	10	10	6	6	0	0	0
Washington.													
Neal Bay	0	0	0	0	1	0	0	0	0	0	0	0	2
Port Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0
Seattle	0	0	0	1	0	0	0	0	0	0	0	0	0
Spokane	0	0	0	1	0	0	0	0	1	1	0	0	0
Tacoma	0	0	0	0	1	0	0	0	0	0	0	0	0
Walla Walla	0	0	0	0	1	0	0	0	0	0	0	0	0
West Virginia.													
Elkins	0	0	2	0	0	0	8	16	17	10	2	0	0
Parkersburg	0	0	1	1	0	3	16	16	7	6	3	1	4
Powellton	1	0	0	1	0	3	9	9	4	4	2	0	2
Wisconsin.													
Green Bay	0	0	0	0	0	9	9	9	5	5	4	0	4
La Crosse	0	0	0	0	1	7	7	7	5	5	3	0	3
Milwaukee	0	0	0	0	0	4	12	12	11	11	0	0	3
Wyoming.													
Cheyenne	0	0	0	0	0	9	9	9	5	5	4	0	4
Fourbear	0	0	0	0	0	7	7	7	5	5	3	0	2
Lander	0	0	0	0	0	7	6	6	4	4	1	0	0

TABLE VI.—*Number of days on which thunderstorms were reported, 1901.*

States.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Alabama . . . . .	6	5	14	11	19	25	26	27	11	8	5	6	152
Arizona . . . . .	1	5	6	8	16	25	27	28	11	18	1	1	122
Arkansas . . . . .	4	4	16	18	19	21	27	28	11	18	6	6	126
California . . . . .	5	6	10	6	14	3	10	20	3	12	1	1	94
Colorado . . . . .	0	0	5	19	31	24	29	30	17	8	0	0	167
Connecticut . . . . .	0	0	4	2	8	13	20	15	11	3	0	0	100
Delaware . . . . .	0	0	2	1	13	7	17	8	4	0	0	0	53
Dist. of Columbia . . . . .	0	0	0	4	4	6	16	5	6	6	3	4	180
Florida . . . . .	5	11	11	10	23	30	29	31	12	12	3	4	152
Georgia . . . . .	4	3	15	7	22	23	28	21	12	13	9	1	104
Idaho . . . . .	0	0	3	5	23	11	15	14	4	2	2	1	71
Illinois . . . . .	2	2	1	16	18	21	21	14	10	6	3	3	122
Indiana . . . . .	1	1	8	5	15	23	20	14	7	2	0	0	104
Indian Territory . . . . .	1	3	5	13	17	7	13	10	5	2	0	0	80
Iowa . . . . .	2	1	9	11	14	24	20	20	18	13	6	6	141
Kansas . . . . .	1	2	4	16	20	21	24	27	5	6	6	8	173
Kentucky . . . . .	2	2	8	4	20	20	19	19	5	4	4	1	99
Louisiana . . . . .	6	11	18	12	15	22	31	30	12	12	1	1	174
Maine . . . . .	0	0	0	1	4	11	11	13	7	3	2	2	49
Maryland . . . . .	1	0	10	0	4	21	26	21	8	3	0	0	22
Massachusetts . . . . .	0	0	4	0	9	8	22	15	8	17	0	0	61
Michigan . . . . .	0	0	7	4	19	25	26	23	18	12	3	1	100
Minnesota . . . . .	0	0	6	10	14	27	26	23	18	12	3	1	131
Mississippi . . . . .	4	8	8	18	10	16	29	29	11	1	1	1	191
Missouri . . . . .	3	2	2	17	19	22	29	27	17	18	7	4	191
Montana . . . . .	2	1	1	3	4	22	25	17	17	0	2	2	111
Nebraska . . . . .	0	2	1	17	15	27	28	27	22	18	7	2	121
Nevada . . . . .	0	0	1	1	19	5	10	19	5	7	1	1	71
New Hampshire . . . . .	0	0	0	0	4	13	14	18	8	3	0	0	53
New Jersey . . . . .	0	0	4	4	14	15	25	18	14	8	3	1	99
New Mexico . . . . .	2	1	1	14	21	14	23	26	13	12	0	1	190
New York . . . . .	2	0	0	6	5	19	23	24	21	9	1	1	128
North Carolina . . . . .	5	0	7	6	26	29	30	27	12	5	1	1	151
North Dakota . . . . .	0	0	3	7	15	26	21	18	11	5	5	1	30
Ohio . . . . .	1	3	10	3	19	25	25	17	11	9	5	1	124
Oklahoma . . . . .	3	3	7	14	15	14	18	18	9	9	4	2	111
Oregon . . . . .	3	2	8	6	14	9	8	17	9	9	2	2	82
Pennsylvania . . . . .	0	0	6	2	20	25	27	23	12	5	1	1	128
Rhode Island . . . . .	0	0	0	7	4	11	7	1	1	4	2	2	35
South Carolina . . . . .	0	2	9	7	23	28	26	30	13	18	4	1	141
South Dakota . . . . .	1	0	5	8	15	29	21	24	8	0	1	0	130
Tennessee . . . . .	3	2	11	4	24	25	26	23	8	4	1	4	133
Texas . . . . .	3	11	11	12	26	21	27	21	19	11	1	1	144
Utah . . . . .	2	2	7	19	11	18	28	21	10	6	3	1	104
Vermont . . . . .	0	0	0	0	5	12	11	10	6	3	0	0	47
Virginia . . . . .	1	0	10	4	20	23	27	24	14	3	0	0	73
Washington . . . . .	8	2	8	8	10	18	7	11	6	1	7	1	75
West Virginia . . . . .	1	0	8	0	15	25	28	31	11	1	2	1	111
Wisconsin . . . . .	0	0	4	4	16	24	23	24	9	11	1	1	128
Wyoming . . . . .	0	2	1	5	23	20	19	28	9	6	0	0	112
Total . . . . .	79	103	843	337	841	943	1,084	1,028	571	304	181	111	5,874

TABLE VII.—*Number of days on which auroras were reported, 1901.*

TABLE VII.—Number of days on which auroras were reported, 1901.—Cont.

State and station.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Rhode Island.....	0	0	0	0	0	0	0	0	0	0	0	0	0
South Carolina.....	0	0	0	2	4	0	0	0	0	1	0	1	15
South Dakota.....	0	5	0	2	4	0	0	0	0	0	0	0	0
Tennessee.....	0	0	0	0	0	0	0	0	0	0	0	0	0
Texas.....	0	0	0	0	0	0	0	0	0	0	0	0	0
Utah.....	0	0	0	0	0	0	0	0	0	0	0	0	0
Vermont.....	0	0	0	1	0	0	0	0	0	0	0	0	1
Virginia.....	0	0	0	0	0	0	0	0	0	0	0	0	1
Washington.....	0	0	0	0	0	0	0	0	0	1	0	0	1
West Virginia.....	0	0	0	0	1	0	0	0	0	0	0	0	1
Wisconsin.....	0	2	0	0	0	0	0	0	1	0	0	1	1
Wyoming.....	0	0	0	0	0	0	0	0	0	1	0	0	1
Total .....	25	20	13	23	8	8	23	18	8	12	22	6	185

Heights of rivers above zeros of gages, 1901—Continued.

Stations.	Highest water.		Lowest water.		Mean stage.	Annual range.
	Stage.	Date.	Stage.	Date.		
<i>Ohio River—Cont'd.</i>						
Evansville, Ind.....	Feet.	(Apr. 30, ...)	Feet.	Nov. 19-25.....	1.7	18.3 40.1
Paducah, Ky.....	39.4	May 1.....	1.5	Nov. 18-21, 26-28	13.7	37.9
Cairo, Ill.....	43.2	May 3.....	2.9	Nov. 21, 22, 27-29	17.9	40.3
<i>Muskingum River.</i>						
Zanesville, Ohio.....	24.8	Apr. 27 .....	5.8	July 31-Aug. 2, ...	8.9	18.5
<i>Scioto River.</i>						
Columbus, Ohio.....	9.5	Mar. 11 .....	1.8	Aug. 11-13 .....	2.2	7.7
<i>Miami River.</i>						
Dayton, Ohio.....	7.0	Mar. 11 .....	0.1	Nov. 24, Dec. 12,	1.3	6.9
<i>Wabash River.</i>						
Mt. Carmel, Ill.....	17.5	Mar. 19 .....	0.0	Oct. 5-12 .....	3.8	17.5
<i>Licking River.</i>						
Falmouth, Ky.....	20.2	Apr. 20 .....	0.2	Oct. 26-Nov. 11,	2.6	20.0
<i>Kentucky River.</i>						
Frankfort, Ky <sup>4</sup> .....	25.1	Apr. 28 .....	4.9	Nov. 1, 2 .....	5.5	20.2
<i>Clinch River.</i>						
Speer's Ferry, Va.....	21.5	Dec. 30 .....	-0.7	Nov. 22 .....	1.6	22.2
Clinton, Tenn.....	31.0	Dec. 31 .....	2.2	Dec. 2 .....	7.1	28.8
<i>Tennessee River.</i>						
Knoxville, Tenn.....	24.8	May 28 .....	0.8	Nov. 21, 22 .....	4.6	34.0
Kingston, Tenn.....	28.8	Dec. 31 .....	1.4	8-11, 22, 23 .....	5.0	27.4
Chattanooga, Tenn.....	39.5	Dec. 31 .....	2.1	Oct. 22 .....	8.2	37.4
Bridgeport, Ala.....	24.5	Aug. 18 .....	0.8	Nov. 23 .....	6.0	23.7
Florence, Ala.....	19.0	Aug. 22 .....	0.9	Aug. 5 .....	6.0	18.1
Riverton, Ala.....	20.7	Aug. 23 .....	-0.1	Nov. 24, 25 .....	8.2	20.8
Johnsonville, Tenn.....	27.6	Aug. 26 .....	1.6	Nov. 27-30 .....	9.4	20.0
<i>Cumberland River.</i>						
Burnside, Ky.....	52.0	Apr. 20 .....	0.8	Aug. 11 .....	6.5	51.7
Carthage, Tenn.....	39.9	Aug. 19 .....	0.5	Aug. 3 .....	7.3	32.4
Nashville, Tenn.....	38.8	Aug. 21 .....	1.8	Aug. 4, 5 .....	9.8	35.5
Clarksville, Tenn.....	43.9	Aug. 24 .....	1.0	Aug. 6 .....	12.0	40.9
<i>Arkansas River.</i>						
Wichita, Kans.....	6.0	Apr. 18 .....	0.6	Sept. 6-8 .....	1.8	5.4
Webbers Ferry, Ind. T.....	12.5	Apr. 18 .....	1.5	Various dates .....	2.8	11.0
Fort Smith, Ark.....	14.7	Apr. 19 .....	0.3	Oct. 30-Nov. 2 .....	3.8	14.4
Dardanelle, Ark.....	16.0	Apr. 19 .....	0.1	Oct. 4-7 .....	3.1	15.0
Little Rock, Ark.....	17.9	Apr. 20 .....	1.1	July 27 .....	4.7	16.8
<i>White River.</i>						
Newport, Ark.....	23.5	Mar. 15 .....	-0.3	Oct. 2-11 .....	3.7	23.8
<i>Yazoo River.</i>						
Yazoo City, Miss.....	18.3	Jan. 11 .....	-1.8	Nov. 18-18 .....	7.8	20.1
<i>Red River.</i>						
Arthur City, Tex.....	25.6	May 20 .....	2.8	Dec. 31 .....	5.5	22.8
Fulton, Ark.....	27.7	May 25 .....	2.5	Nov. 1-3 .....	8.0	25.1
Shreveport, La.....	16.4	June 7 .....	-1.0	Nov. 6-9, 19-21 .....	5.0	17.4
Alexandria, La.....	14.6	Apr. 27 .....	-3.4	Nov. 23, 24 .....	4.5	18.0
<i>Ouachita River.</i>						
Camden, Ark.....	33.8	Apr. 23 .....	3.0	Aug. 26-Sept. 9 .....	8.9	30.0
Monroe, La.....	24.6	May 7-9 .....	0.0	July 13-21, 24-30 .....	9.4	24.6
<i>Achafalaya River.</i>						
Melville, La.....	31.4	May 16-19 .....	2.8	Nov. 23 .....	17.1	28.6
<i>Susquehanna River.</i>						
Wilkesbarre, Pa.....	24.0	Dec. 15 .....	-1.4	July 23-25 .....	3.9	25.4
Harrisburg, Pa.....	21.4	Dec. 16 .....	1.0	Nov. 12 .....	4.0	20.4
<i>W. Br. of Susquehanna.</i>						
Williamsport, Pa.....	20.7	Dec. 15 .....	0.4	Nov. 11 .....	3.4	20.8
<i>Juniata River.</i>						
Huntingdon, Pa <sup>3</sup> .....	14.0	Dec. 15 .....	3.0	Various dates .....	4.1	11.0
<i>Potomac River.</i>						
Harpers Ferry, W. Va.....	20.2	Apr. 22 .....	-3.0	Aug. 5-7, Sept. 24-29, Oct. 6-8 .....	2.1	23.2
<i>James River.</i>						
Lynchburg, Va.....	21.2	Dec. 30 .....	0.1	Nov. 22, 23 .....	2.3	21.1
Richmond, Va.....	23.2	Dec. 31 .....	-1.2	Jan. 21-24 .....	1.3	24.4
<i>Roanoke River.</i>						
Weldon, N.C.....	45.7	May 25 .....	8.3	Jan. 8-11, Mar. 5-11, Feb. 26-28 .....	12.9	37.4
<i>Cape Fear River.</i>						
Fayetteville, N.C.....	58.5	May 24 .....	3.0	Mar. 10 .....	10.6	55.5
<i>Edisto River.</i>						
Edisto.....	6.5	May 27 .....	1.9	Dec. 11-15 .....	4.0	4.6
<i>Pedee River.</i>						
Cheraw, S. C.....	36.2	Aug. 8 .....	1.4	Mar. 10 .....	9.0	34.8
<i>Black River.</i>						
Kingtree, S. C.....	12.0	June 1 .....	0.7	Nov. 4, 5 .....	6.2	11.8
<i>Lynch Creek.</i>						
Effingham, S. C.....	17.3	June 22 .....	3.3	Nov. 1, 2 .....	7.1	18.9
<i>Santee River.</i>						
St. Stephens, S. C.....	16.0	May 31 .....	3.7	Mar. 11 .....	8.0	12.8
<i>Congaree River.</i>						
Columbia, S. C.....	22.0	Apr. 4 .....	-0.2	Mar. 10-11 .....	3.5	22.2
<i>Wateree River.</i>						
Camden, S. C.....	33.5	May 24 .....	3.1	Mar. 9, 10 .....	11.1	29.4
<i>Waccamaw River.</i>						
Conway, S. C.....	8.7	July 29, 30 .....	1.0	Nov. 25 .....	4.7	7.7
<i>Savannah River.</i>						
Calhoun Falls, S. C.....	17.9	Dec. 30 .....	2.1	Dec. 1, 2 .....	4.0	15.8
Augusta, Ga.....	31.8	Apr. 4 .....	7.0	Aug. 4 .....	11.9	24.8
<i>Broad River.</i>						
Carlton, Ga.....	19.0	Dec. 30 .....	2.8	Aug. 2-5 .....	3.6	17.6
<i>Faint River.</i>						
Albany, Ga.....	25.2	Sept. 22 .....	0.7	Nov. 22 .....	7.2	24.5
<i>Chattahoochee River.</i>						
Westpoint, Ga.....	25.0	Dec. 30 .....	2.4	Nov. 18, Dec. 2 .....	5.0	22.6
<i>Ocmulgee River.</i>						
Macon, Ga.....	18.8	Apr. 8 .....	1.7	Oct. 30-Nov. 4 .....	5.4	17.1

*Heights of rivers above zeros of gages, 1901—Continued.*

Stations.	Highest water.		Lowest water.		Mean stage.	Annual range.
	Stage.	Date.	Stage.	Date.		
<i>Oconee River.</i>						
Dublin, Ga.....	22.6	Apr. 6 .....	0.5	Aug. 6.....	5.5	22.1
<i>Coosa River.</i>						
Rome, Ga.....	32.6	Dec. 31 .....	1.0	Nov. 11-20.....	5.5	31.6
Gadsden, Ala.....	22.4	Jan. 18.....	0.1	Nov. 29-Dec. 3 ..	6.1	22.3
<i>Alabama River.</i>						
Montgomery, Ala.....	44.4	Dec. 31 .....	1.2	Nov. 11, 12.....	9.8	43.2
Selma, Ala.....	40.0	Jan. 17 .....	1.0	July 1 .....	11.8	39.0
<i>Tombigbee River.</i>						
Columbus, Miss.....	22.7	Jan. 15 .....	-3.5	Aug. 3 .....	2.2	26.2
Demopolis, Ala.....	49.6	Jan. 21 .....	-2.3	Aug. 5, 6 .....	12.0	51.9
<i>Black Warrior River.</i>						
Tuscaloosa, Ala.....	56.5	Jan. 13 .....	0.2	Aug. 10, 11.....	11.0	56.3
<i>Brazos River.</i>						
Kopperl, Tex.....	6.5	June 3 .....	-1.6	Dec. 13-31 .....	0.0	8.1
Waco, Tex.....	10.2	June 3 .....	0.4	Aug. 1 .....	1.6	9.8

<sup>1</sup> 11 months.    <sup>2</sup> 8 months.    <sup>3</sup> 10 months.    <sup>4</sup> 9 months.    <sup>5</sup> 6 months.

*Heights of rivers above zeros of gages, 1901—Continued.*

Stations.	Highest water.		Lowest water.		Mean stage.	Annual range.
	Stage.	Date.	Stage.	Date.		
<i>Brazos River—Cont'd.</i>						
Booth, Tex <sup>2</sup> .....	18.0	May 27 .....	-0.4	May 17.....	1.4	18.4
<i>Red River, North.</i>						
Moorhead, Minn <sup>3</sup> .....	9.1	July 9 .....	6.8	Nov. 6 .....	7.9	2.8
<i>Columbia River.</i>						
Umatilla, Oreg.....	22.1	May 31 .....	-3.4	Nov. 30.....	6.8	25.5
The Dalles, Oreg.....	37.5	June 1 .....	1.8	(Oct. 26, 28, 29, 31, Nov 2 ..)	11.8	35.7
<i>Willamette River.</i>						
Albany, Oreg.....	30.4	Jan. 15 .....	0.8	Aug. 10-Sept. 9 ..	4.7	29.6
Portland, Oreg.....	20.8	Jan. 17 .....	0.4	Oct. 21, 22 ..	8.1	20.4
<i>Sacramento River.</i>						
Red Bluff, Cal.....	20.1	Feb. 20 .....	-0.4	Sept. 14-18 ..	3.2	20.5
Sacramento, Cal.....	28.2	Feb. 25 .....	7.2	Sept. 21, 23 ..	15.8	21.0

<sup>1</sup> 11 months.    <sup>2</sup> 8 months.    <sup>3</sup> 10 months.    <sup>4</sup> 9 months.    <sup>5</sup> 6 months.